# Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

# **SAFETY DATA SHEET**



ALPOLAN DUOFINISH 5461-80 - FARBLOS-INCOLORE-COLOURLESS

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

## 1.1 Product identifier

Product name : ALPOLAN DUOFINISH 5461-80 - FARBLOS-INCOLORE-COLOURLESS

**1.2 Relevant identified uses of the substance or mixture and uses advised againstProduct use**: Paint.

#### 1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person : Prod-safe@teknos.com

## responsible for this SDS

#### National contact

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

Telephone number: In an emergency, call 112

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

**Hazard pictograms** 



Signal word Hazard statements

#### : Danger

: H225 - Highly flammable liquid and vapour.

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

#### **Precautionary statements**

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## **SECTION 2: Hazards identification**

Prevention	:	<ul> <li>P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P260 - Do not breathe vapour.</li> </ul>
Response	:	P314 - Get medical advice/attention if you feel unwell.
Storage	:	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	Contains: n-Butyl acetate; Toluene; Methyl methacrylate and EO bis(benztriazolyl) phenylpropionat
Supplemental label elements	1	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do	:	None known.

not result in classification

## **SECTION 3: Composition/information on ingredients**

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
n-Butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≥25 - ≤50	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
Ethyl acetate	REACH #: 01-2119475103-46 EC: 205-500-4 CAS: 141-78-6 Index: 607-022-00-5	≥10 - ≤25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	-	[1] [2]
Toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≥10 - ≤25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304	-	[1] [2]
Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	<10	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]

2-butoxyethyl acetate	REACH #: 01-2119475112-47 EC: 203-933-3 CAS: 112-07-2 Index: 607-038-00-2	≤3	Acute Tox. 4, H312 Acute Tox. 4, H332	ATE [Dermal] = 1500 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) (oral, inhalation) Asp. Tox. 1, H304	ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
Methyl methacrylate	REACH #: 01-2119452498-28 EC: 201-297-1 CAS: 80-62-6 Index: 607-035-00-6	≤0.3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	-	[1] [2]
EO bis(benztriazolyl) phenylpropionat	REACH #: 01-0000015075-76 EC: 400-830-7 CAS: 104810-48-2 Index: 607-176-00-3	≤0.3	Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[1]
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

## **SECTION 4: First aid measures**

I.1 Description of first aid measures					
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.				
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.				
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.				

# SECTION 4: First aid measures

Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing

thoroughly with water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

ye contact	: Adverse symptoms may include the following: pain or irritation watering redness
nhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

## **SECTION 5: Firefighting measures**

5.1 Extinguishing media Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the	1	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion
substance or mixture		hazard. In a fire or if heated, a pressure increase will occur and the container may
		burst, with the risk of a subsequent explosion.

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SECTION 5: Firefighting measures					
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides				
5.3 Advice for firefighters					
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.				
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.				

## **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental

pollution (sewers, waterways, soil or air).

#### 6.3 Methods and material for containment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

## **SECTION 7: Handling and storage**

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Seveso Directive - Reporting thresholds

Danger criteria		
	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonne	50000 tonne

#### 7.3 Specific end use(s)

# **Recommendations**

: Not available.

Industrial sector specific solutions

: Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

## 8.1 Control parameters

## **Occupational exposure limits**

Product/ingredient name	Exposure limit values
n-Butyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021). [Butyl acetate (all isomers except tert-butyl acetate)]
	CEIL: 480 mg/m <sup>3</sup> 15 minutes.
	CEIL: 100 ppm 15 minutes.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
Ethyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	PEAK: 1468 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	PEAK: 400 ppm, 4 times per shift, 15 minutes.
Toluene	Regulation on Limit Values - MAC (Austria, 4/2021). Absorbed
	through skin.
	TWA: 50 ppm 8 hours.
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	TWA: 190 mg/m³ 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
	PEAK: 380 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
(ylene	Regulation on Limit Values - MAC (Austria, 4/2021). [Xylenes
	(all isomers)] PEAK: 442 mg/m³, 4 times per shift, 15 minutes.
	TWA: 50 ppm 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
-butoxyethyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021). Absorb
	through skin.
	TWA: 20 ppm 8 hours.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
	PEAK: 40 ppm, 4 times per shift, 30 minutes.
thulbenzone	PEAK: 270 mg/m <sup>3</sup> , 4 times per shift, 30 minutes.
thylbenzene	Regulation on Limit Values - MAC (Austria, 4/2021). Absorb
	through skin. TWA: 100 ppm 8 hours.
	TWA: 100 ppm 8 hours. TWA: 440 mg/m <sup>3</sup> 8 hours.
	CEIL: 200 ppm, 8 times per shift, 5 minutes.
	CEIL: 880 mg/m <sup>3</sup> , 8 times per shift, 5 minutes.
lethyl methacrylate	Regulation on Limit Values - MAC (Austria, 4/2021). Skin
	sensitiser.
	TWA: 50 ppm 8 hours.
	TWA: 210 mg/m <sup>3</sup> 8 hours.
	CEIL: 100 ppm, 8 times per shift, 5 minutes.
	CEIL: 420 mg/m <sup>3</sup> , 8 times per shift, 5 minutes.
-Butyl acetate	Limit values (Belgium, 5/2021). [butyl acetate, all isomers]
,	STEL: 712 mg/m <sup>3</sup> 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 238 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
thyl acetate	Limit values (Belgium, 5/2021).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
aluana	STEL: 400 ppm 15 minutes.
oluene	Limit values (Belgium, 5/2021). Absorbed through skin. TWA: 20 ppm 8 hours.
	TWA: 20 ppm 8 hours. TWA: 77 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m <sup>3</sup> 15 minutes.
ylene	Limit values (Belgium, 5/2021). [Xylene] Absorbed through
,	skin.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m <sup>3</sup> 15 minutes.
-butoxyethyl acetate	Limit values (Belgium, 5/2021). Absorbed through skin.
	TWA: 20 ppm 8 hours.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
	STEL: 50 ppm 15 minutes.
	STEL: 333 mg/m <sup>3</sup> 15 minutes.
thylbenzene	Limit values (Belgium, 5/2021). Absorbed through skin.
	TWA: 20 ppm 8 hours.
	TWA: 87 mg/m <sup>3</sup> 8 hours. STEL: 125 ppm 15 minutes.
	STEL: 551 mg/m <sup>3</sup> 15 minutes.
lethyl methacrylate	Limit values (Belgium, 5/2021).
	TWA: 50 ppm 8 hours.
	TWA: 208 mg/m <sup>3</sup> 8 hours.
	STEL: 416 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.

	n-Butyl acetate	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021).
		Limit value 8 hours: 241 mg/m <sup>3</sup> 8 hours.
		Limit value 15 min: 723 mg/m <sup>3</sup> 15 minutes.
		Limit value 15 min: 150 ppm 15 minutes.
		Limit value 8 hours: 50 ppm 8 hours.
	Ethyl acetate	Ministry of Labour and Social Policy and the Ministry of
		Health - Ordinance No 13/2003. (Bulgaria, 6/2021).
		Limit value 8 hours: 734 mg/m <sup>3</sup> 8 hours.
		Limit value 15 min: 400 ppm 15 minutes.
		Limit value 15 min: 1468 mg/m <sup>3</sup> 15 minutes.
		Limit value 8 hours: 200 ppm 8 hours.
	Toluene	Ministry of Labour and Social Policy and the Ministry of
		Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Absorbed
		through skin.
		•
		Limit value 15 min: 384 mg/m <sup>3</sup> 15 minutes.
		Limit value 8 hours: 192 mg/m <sup>3</sup> 8 hours.
		Limit value 15 min: 100 ppm 15 minutes.
		Limit value 8 hours: 50 ppm 8 hours.
	Xylene	Ministry of Labour and Social Policy and the Ministry of
		Health - Ordinance No 13/2003. (Bulgaria, 6/2021). [Xylene
		(mixture of isomers), pure] Absorbed through skin.
		Limit value 8 hours: 221 mg/m <sup>3</sup> 8 hours.
		Limit value 15 min: 442 mg/m <sup>3</sup> 15 minutes.
		Limit value 15 min: 100 ppm 15 minutes.
	O had a set of the large start of	Limit value 8 hours: 50 ppm 8 hours.
	2-butoxyethyl acetate	Ministry of Labour and Social Policy and the Ministry of
		Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Absorbed
		through skin.
		Limit value 8 hours: 133 mg/m <sup>3</sup> 8 hours.
		Limit value 15 min: 333 mg/m <sup>3</sup> 15 minutes.
		Limit value 8 hours: 20 ppm 8 hours.
		Limit value 15 min: 50 ppm 15 minutes.
	Ethylbenzene	Ministry of Labour and Social Policy and the Ministry of
		Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Absorbed
		through skin.
		•
		Limit value 8 hours: 435 mg/m <sup>3</sup> 8 hours.
		Limit value 15 min: 545 mg/m³ 15 minutes.
	Methyl methacrylate	Ministry of Labour and Social Policy and the Ministry of
		Health - Ordinance No 13/2003. (Bulgaria, 6/2021).
		Limit value 8 hours: 50 ppm 8 hours.
		Limit value 15 min: 100 ppm 15 minutes.
	n-Butyl acetate	Ministry of Economy, Labour and Entrepreneurship ELV/
		STELV (Croatia, 1/2021).
		STELV: 723 mg/m <sup>3</sup> 15 minutes.
		STELV: 150 ppm 15 minutes.
		ELV: 241 mg/m <sup>3</sup> 8 hours.
		ELV: 50 ppm 8 hours.
	Ethyl acetate	Ministry of Economy, Labour and Entrepreneurship ELV/
		STELV (Croatia, 1/2021).
		STELV: 400 ppm 15 minutes.
		ELV: 200 ppm 8 hours.
		STELV: 1468 mg/m <sup>3</sup> 15 minutes.
		ELV: 734 mg/m <sup>3</sup> 8 hours.
	Toluene	Ministry of Economy, Labour and Entrepreneurship ELV/
	louene	
		STELV (Croatia, 1/2021). Absorbed through skin.
		STELV: 384 mg/m <sup>3</sup> 15 minutes.
		STELV: 100 ppm 15 minutes.
		ELV: 192 mg/m <sup>3</sup> 8 hours.
		ELV: 50 ppm 8 hours.
	Xylene	Ministry of Economy, Labour and Entrepreneurship ELV/
	-	STELV (Croatia, 1/2021). [xylene (all isomers)] Absorbed
		through skin.
		STELV: 442 mg/m <sup>3</sup> 15 minutes.
-		The second s
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#### SECTION 8: Exposure controls/personal protection STELV: 100 ppm 15 minutes. ELV: 221 mg/m<sup>3</sup> 8 hours. ELV: 50 ppm 8 hours. Ministry of Economy, Labour and Entrepreneurship ELV/ 2-butoxyethyl acetate STELV (Croatia, 1/2021). Absorbed through skin. STELV: 333 mg/m<sup>3</sup> 15 minutes. STELV: 50 ppm 15 minutes. ELV: 133 mg/m<sup>3</sup> 8 hours. ELV: 20 ppm 8 hours. Ministry of Economy, Labour and Entrepreneurship ELV/ Ethylbenzene STELV (Croatia, 1/2021). Absorbed through skin. STELV: 884 mg/m<sup>3</sup> 15 minutes. STELV: 200 ppm 15 minutes. ELV: 442 mg/m<sup>3</sup> 8 hours. ELV: 100 ppm 8 hours. Methyl methacrylate Ministry of Economy, Labour and Entrepreneurship ELV/ STELV (Croatia, 1/2021). Absorbed through skin. Skin sensitiser. STELV: 100 ppm 15 minutes. ELV: 50 ppm 8 hours. n-Butyl acetate Department of labour inspection (Cyprus, 7/2021). STEL: 150 ppm 15 minutes. STEL: 723 mg/m<sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. TWA: 241 mg/m<sup>3</sup> 8 hours. Ethyl acetate Department of labour inspection (Cyprus, 7/2021). STEL: 400 ppm 15 minutes. STEL: 1468 mg/m<sup>3</sup> 15 minutes. TWA: 200 ppm 8 hours. TWA: 734 mg/m<sup>3</sup> 8 hours. Toluene Department of labour inspection (Cyprus, 7/2021). Absorbed through skin. STEL: 100 ppm 15 minutes. STEL: 384 mg/m<sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. TWA: 192 mg/m<sup>3</sup> 8 hours. **Xylene** Department of labour inspection (Cyprus, 7/2021). [Xylene, mixed isomers] Absorbed through skin. STEL: 100 ppm 15 minutes. STEL: 442 mg/m<sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. TWA: 221 mg/m<sup>3</sup> 8 hours. 2-butoxyethyl acetate Department of labour inspection (Cyprus, 7/2021). Absorbed through skin. STEL: 50 ppm 15 minutes. STEL: 333 mg/m<sup>3</sup> 15 minutes. TWA: 20 ppm 8 hours. TWA: 133 mg/m<sup>3</sup> 8 hours. Ethylbenzene Department of labour inspection (Cyprus, 7/2021). Absorbed through skin. STEL: 884 mg/m<sup>3</sup> 15 minutes. TWA: 100 ppm 8 hours. TWA: 442 ma/m<sup>3</sup> 8 hours. STEL: 200 ppm 15 minutes. Department of labour inspection (Cyprus, 7/2021). Methyl methacrylate STEL: 100 ppm 15 minutes. TWA: 50 ppm 8 hours. Government regulation of Czech Republic PEL/NPK-P (Czech n-Butyl acetate Republic, 10/2022). TWA: 241 mg/m<sup>3</sup> 8 hours. STEL: 723 mg/m<sup>3</sup> 15 minutes. STEL: 149.661 ppm 15 minutes. TWA: 49.887 ppm 8 hours. Ethyl acetate Government regulation of Czech Republic PEL/NPK-P (Czech

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	Republic, 10/2022).
	TWA: 700 mg/m <sup>3</sup> 8 hours.
	TWA: 191.1 ppm 8 hours.
	STEL: 900 mg/m <sup>3</sup> 15 minutes.
	STEL: 245.7 ppm 15 minutes.
oluene	Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022). Absorbed through skin.
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	TWA: 50.112 ppm 8 hours.
	STEL: 384 mg/m <sup>3</sup> 15 minutes.
	STEL: 100.224 ppm 15 minutes.
(ylene	Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022). [xylene, technical mixture of isomers and
	all isomers] Absorbed through skin.
	TWA: 200 mg/m <sup>3</sup> 8 hours.
	TWA: 45.4 ppm 8 hours.
	STEL: 400 mg/m <sup>3</sup> 15 minutes.
	STEL: 90.8 ppm 15 minutes.
2-butoxyethyl acetate	Government regulation of Czech Republic PEL/NPK-P (Czec
	Republic, 10/2022). Absorbed through skin.
	TWA: 130 mg/m³ 8 hours.
	TWA: 19.5 ppm 8 hours.
	STEL: 300 mg/m <sup>3</sup> 15 minutes.
	STEL: 45 ppm 15 minutes.
Ethylbenzene	Government regulation of Czech Republic PEL/NPK-P (Czec
	Republic, 10/2022). Absorbed through skin.
	TWA: 200 mg/m <sup>3</sup> 8 hours.
	TWA: 45.4 ppm 8 hours.
	STEL: 500 mg/m <sup>3</sup> 15 minutes.
	STEL: 113.5 ppm 15 minutes.
Methyl methacrylate	Government regulation of Czech Republic PEL/NPK-P (Czec
	Republic, 10/2022). Skin sensitiser.
	TWA: 50 mg/m³ 8 hours.
	TWA: 12 ppm 8 hours.
	STEL: 150 mg/m <sup>3</sup> 15 minutes.
	STEL: 36 ppm 15 minutes.
n-Butyl acetate	Working Environment Authority (Denmark, 6/2022). [Butyl
-	acetate, all isomers]
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
	STEL: 150 ppm 15 minutes.
Ethyl acetate	Working Environment Authority (Denmark, 6/2022).
	TWA: 150 ppm 8 hours.
	TWA: 540 mg/m <sup>3</sup> 8 hours.
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
	STEL: 400 ppm 15 minutes.
oluene	Working Environment Authority (Denmark, 6/2022). Absorbe
	through skin.
	TWA: 25 ppm 8 hours.
	TWA: 94 mg/m <sup>3</sup> 8 hours.
	STEL: 384 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
Kylene	Working Environment Authority (Denmark, 6/2022). [Xylenes
-	all isomers] Absorbed through skin.
	TWA: 25 ppm 8 hours.
	TWA: 109 mg/m <sup>3</sup> 8 hours.
	STEL: 442 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
2-butoxyethyl acetate	Working Environment Authority (Denmark, 6/2022). Absorbe
, ,	through skin.
	TWA: 20 ppm 8 hours.
	TWA: 134 mg/m <sup>3</sup> 8 hours.
	STEL: 333 mg/m <sup>3</sup> 15 minutes.
	STEL: 50 ppm 15 minutes.

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Ethylbenzene	Working Environment Authority (Denmark, 6/2022). Absorbed through skin. Carcinogen. TWA: 50 ppm 8 hours. TWA: 217 mg/m <sup>3</sup> 8 hours. STEL: 434 mg/m <sup>3</sup> 15 minutes.
Methyl methacrylate	STEL: 100 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). Absorbed through skin. TWA: 25 ppm 8 hours. TWA: 102 mg/m <sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes.
n-Butyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). STEL: 150 ppm 15 minutes. STEL: 723 mg/m <sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. TWA: 241 mg/m <sup>3</sup> 8 hours.
Ethyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). TWA: 500 mg/m <sup>3</sup> 8 hours. TWA: 150 ppm 8 hours. STEL: 1100 mg/m <sup>3</sup> 15 minutes. STEL: 300 ppm 15 minutes.
Toluene	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes.
Xylene	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 450 mg/m <sup>3</sup> 15 minutes. TWA: 200 mg/m <sup>3</sup> 8 hours.
2-butoxyethyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. Skin sensitiser. TWA: 133 mg/m <sup>3</sup> 8 hours. TWA: 20 ppm 8 hours. STEL: 333 mg/m <sup>3</sup> 15 minutes. STEL: 50 ppm 15 minutes.
Ethylbenzene	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. Skin sensitiser. TWA: 442 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. STEL: 884 mg/m <sup>3</sup> 15 minutes. STEL: 200 ppm 15 minutes.
Methyl methacrylate	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Skin sensitiser. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes.
n-Butyl acetate	EU OEL (Europe, 1/2022). Notes: list of indicative occupational exposure limit values STEL: 150 ppm 15 minutes. STEL: 723 mg/m <sup>3</sup> 15 minutes. TWA: 241 mg/m <sup>3</sup> 8 hours.
Ethyl acetate	TWA: 50 ppm 8 hours. <b>EU OEL (Europe, 1/2022). Notes: list of indicative</b> <b>occupational exposure limit values</b> STEL: 400 ppm 15 minutes. STEL: 1468 mg/m <sup>3</sup> 15 minutes. TWA: 200 ppm 8 hours.
Toluene	TWA: 734 mg/m <sup>3</sup> 8 hours. EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list
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	of indicative occupational exposure limit values
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 384 mg/m <sup>3</sup> 15 minutes.
Kylene	STEL: 100 ppm 15 minutes. EU OEL (Europe, 1/2022). [xylene, mixed isomers pure]
Cylefie	Absorbed through skin. Notes: list of indicative occupationa
	exposure limit values
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m <sup>3</sup> 15 minutes.
-butoxyethyl acetate	EU OEL (Europe, 1/2022). Absorbed through skin. Notes: lis
	of indicative occupational exposure limit values
	TWA: 20 ppm 8 hours.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
	STEL: 50 ppm 15 minutes. STEL: 333 mg/m <sup>3</sup> 15 minutes.
thylbenzene	EU OEL (Europe, 1/2022). Absorbed through skin. Notes: lis
urybenzene	of indicative occupational exposure limit values
	TWA: 100 ppm 8 hours.
	TWA: 442 mg/m <sup>3</sup> 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
lethyl methacrylate	EU OEL (Europe, 1/2022). Notes: list of indicative
	occupational exposure limit values
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
-Butyl acetate	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021).
	TWA: 150 ppm 8 hours.
	TWA: 720 mg/m <sup>3</sup> 8 hours.
	STEL: 200 ppm 15 minutes. STEL: 960 mg/m³ 15 minutes.
thyl acetate	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021).
	TWA: 200 ppm 8 hours.
	TWA: 730 mg/m <sup>3</sup> 8 hours.
	STEL: 400 ppm 15 minutes.
	STEL: 1470 mg/m <sup>3</sup> 15 minutes.
oluene	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). Absorbed through skin. Ototoxicant.
	TWA: 25 ppm 8 hours.
	TWA: 81 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
( dense	STEL: 380 mg/m <sup>3</sup> 15 minutes.
<i>(ylene)</i>	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). [Xylenes] Absorbed through skin. STEL: 440 mg/m <sup>3</sup> 15 minutes.
	TWA: 220 mg/m <sup>3</sup> 8 hours.
	TWA: 220 mg/m 0 hours.
	STEL: 100 ppm 15 minutes.
-butoxyethyl acetate	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). Absorbed through skin.
	TWA: 20 ppm 8 hours.
	TWA: 130 mg/m <sup>3</sup> 8 hours.
	STEL: 50 ppm 15 minutes.
	STEL: 330 mg/m <sup>3</sup> 15 minutes.
thylbenzene	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m <sup>3</sup> 8 hours.
	STEL: 200 ppm 15 minutes. STEL: 880 mg/m³ 15 minutes.
lethyl methacrylate	Institute of Occupational Health, Ministry of Social Affairs
istry moundor yidto	

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	<b>(Finland, 10/2021).</b> TWA: 10 ppm 8 hours. TWA: 42 mg/m <sup>3</sup> 8 hours. STEL: 50 ppm 15 minutes. STEL: 210 mg/m <sup>3</sup> 15 minutes.
n-Butyl acetate	Ministry of Labor (France, 10/2022). Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA: 50 ppm 8 hours. TWA: 241 mg/m <sup>3</sup> 8 hours.
Ethyl acetate	STEL: 150 ppm 15 minutes. STEL: 723 mg/m <sup>3</sup> 15 minutes. Ministry of Labor (France, 10/2022). Notes: Binding regulator limit values (article R. 4412-149 of the Labor Code)
	TWA: 200 ppm 8 hours. TWA: 734 mg/m <sup>3</sup> 8 hours. STEL: 1468 mg/m <sup>3</sup> 15 minutes. STEL: 400 ppm 15 minutes.
Toluene	Ministry of Labor (France, 10/2022). Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
	TWA: 20 ppm 8 hours. TWA: 76.8 mg/m <sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes. STEL: 384 mg/m <sup>3</sup> 15 minutes.
(ylene	Ministry of Labor (France, 10/2022). [xylenes, mixed isomers, pure] Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL: 442 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes.
2-butoxyethyl acetate	TWA: 221 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. Ministry of Labor (France, 10/2022). Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of
	the Labor Code) STEL: 333 mg/m <sup>3</sup> 15 minutes. STEL: 50 ppm 15 minutes. TWA: 66.5 mg/m <sup>3</sup> 8 hours. TWA: 10 ppm 8 hours.
Ethylbenzene	Ministry of Labor (France, 10/2022). Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA: 20 ppm 8 hours. TWA: 88.4 mg/m <sup>3</sup> 8 hours.
lethyl methacrylate	STEL: 442 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. Ministry of Labor (France, 10/2022). Notes: Binding regulator
	limit values (article R. 4412-149 of the Labor Code) TWA: 50 ppm 8 hours. TWA: 205 mg/m <sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes. STEL: 410 mg/m <sup>3</sup> 15 minutes.
n-Butyl acetate	DFG MAC-values list (Germany, 7/2022). TWA: 100 ppm 8 hours. PEAK: 200 ppm, 4 times per shift, 15 minutes. TWA: 480 mg/m <sup>3</sup> 8 hours. PEAK: 960 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. TRGS 900 OEL (Germany, 6/2022).
Ethyl acetate	TWA: 300 mg/m <sup>3</sup> 8 hours. TWA: 62 ppm 8 hours. PEAK: 600 mg/m <sup>3</sup> 15 minutes. PEAK: 124 ppm 15 minutes. <b>TRGS 900 OEL (Germany, 6/2022).</b>
,	TWA: 730 mg/m <sup>3</sup> 8 hours. PEAK: 1460 mg/m <sup>3</sup> 15 minutes.

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PEAK: 400 ppm 15 minutes. DFG MAC-values list (Germany, 7/2022). TWA: 200 ppm 8 hours. PEAK: 1500 mg/m <sup>2</sup> 8 hours. PEAK: 1500 mg/m <sup>2</sup> 4 times per shift, 15 minutes. TWA: 190 mg/m <sup>2</sup> 4 bours. PEAK: 300 OEL (Germany, 6/2022). Absorbed through skin. TWA: 50 ppm 8 hours. PEAK: 300 pg/m <sup>2</sup> 15 minutes. TWA: 50 ppm 8 hours. PEAK: 100 ppm 15 minutes. DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 50 ppm 8 hours. PEAK: 100 pg/m <sup>2</sup> 8 hours. PEAK: 100 pg/m <sup>2</sup> 8 hours. PEAK: 100 pg/m <sup>2</sup> 8 hours. PEAK: 300 OEL (Germany, 6/2022). (xylene] Absorbed through skin. TWA: 220 mg/m <sup>2</sup> 8 hours. PEAK: 100 pg/m <sup>3</sup> 8 hours. PEAK: 300 opm 16 hours. PEAK: 300 opm 16 hours. PEAK: 300 opm 16 hours. PEAK: 300 opm 16 hours. PEAK: 100 pg/m <sup>3</sup> 8 hours. PEAK: 100 pg/m <sup>3</sup> 8 hours. PEAK: 100 pg/m <sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. PEAK: 100 pg/m <sup>3</sup> 4 times per shift, 15 minutes. TWA: 220 mg/m <sup>3</sup> 8 hours. PEAK: 100 pg/m <sup>4</sup> 4 times per shift, 15 minutes. TWA: 220 mg/m <sup>3</sup> 8 hours. PEAK: 100 pg/m <sup>4</sup> 4 times per shift, 15 minutes. TWA: 220 mg/m <sup>3</sup> 8 hours. PEAK: 100 pg/m <sup>4</sup> 4 times per shift, 15 minutes. TWA: 220 mg/m <sup>3</sup> 4 times per shift, 15 minutes. TWA: 220 mg/m <sup>3</sup> 4 times per shift, 15 minutes. TWA: 100 pg/m <sup>4</sup> 4 times per shift, 15 minutes. TWA: 20 pg/m <sup>4</sup> 16 minutes. DFG MAC-values list (Germany, 6/2022). Absorbed through skin. TWA: 10 pg/m <sup>4</sup> 16 minutes. DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 10 pg/m <sup>4</sup> 16 minutes. DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 10 pg/m <sup>4</sup> 16 minutes. DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 10 pg/m <sup>4</sup> 16 minutes. DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 10 pg/m <sup>4</sup> 16 minutes. DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 66 mg/m <sup>4</sup> 16 minutes. PEAK: 170 mg/m <sup>4</sup> , 4 times per shift, 15 minutes. TWA: 20 ppm 8 hours. PEAK: 40 ppm 16 hours. PEAK: 40 ppm 16 hours. PEAK: 40 ppm 4 hours. PEAK: 40 ppm 4 hours. PEAK: 40 ppm		ontrols/personal protection
DFG MAC-values list (Germany, 7/2022).         TVM.200 ppm, 4 bines, PEAK: 400 ppm, 4 times per shift, 15 minutes.         TPEAK: 1500 mg/m <sup>2</sup> 4 hours.         PEAK: 1500 mg/m <sup>2</sup> 4 hours.         PEAK: 1500 mg/m <sup>2</sup> 4 hours.         PEAK: 1500 mg/m <sup>2</sup> 6 hours.         PEAK: 1500 mg/m <sup>2</sup> 6 hours.         PEAK: 1500 pm 15 minutes.         TVM-50 ppm 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm, 4 times per shift, 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm, 4 times per shift, 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm/m <sup>2</sup> 8 hours.         PEAK: 100 pm/m <sup>2</sup> 4 hours.         PEAK: 100 pm/m 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm/m 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm/m 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm/m 4 times per shift, 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm/m <sup>2</sup> 4 times per shift, 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm/m 4 times per shift, 15 minutes.         TVM-50 ppm 8 hours.         PEAK: 100 pm/m 8 hours. <th></th> <th>TWA: 200 ppm 8 hours. PEAK: 400 ppm 15 minutes</th>		TWA: 200 ppm 8 hours. PEAK: 400 ppm 15 minutes
TWA: 200 ppm 8 hours.         PEAK: 400 ppm, 4 times per shift, 15 minutes.         TWA: 750 mg/m <sup>2</sup> 8 hours.         PEAK: 1500 mg/m <sup>2</sup> 8 hours.         PEAK: 1500 mg/m <sup>2</sup> 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 150 mg/m <sup>2</sup> 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 50 pgm 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 50 pgm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 50 pgm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 50 pgm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 200 mg/m <sup>2</sup> 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 200 mg/m <sup>2</sup> 8 hours.         PEAK: 100 ppm 16 hours.         PEAK: 100 ppm 15 minutes.         TWA: 200 mg/m <sup>2</sup> 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 20 ppm 8 hours.		
PEAK: 400 ppm, 4 times per shift, 15 minutes.         Toluene         Tol		
Toluene       TWX-750 mg/m <sup>2</sup> 8 hours.         Toluene       TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.         TWX-130 mg/m <sup>2</sup> 8 hours.       PEAK: 500 pg/m <sup>3</sup> 8 hours.         PEAK: 100 ppm 15 minutes.       TWX-50 pg/m <sup>3</sup> 8 hours.         PEAK: 100 ppm 15 minutes.       TWX-50 pg/m <sup>3</sup> 8 hours.         PEAK: 300 mg/m <sup>3</sup> 16 minutes.       TWX-50 pg/m <sup>3</sup> 8 hours.         PEAK: 100 ppm 4 finmes per shift, 15 minutes.       TWX-50 pg/m <sup>3</sup> 8 hours.         PEAK: 300 mg/m <sup>3</sup> 4 hours.       PEAK: 300 mg/m <sup>3</sup> 8 hours.         PEAK: 300 mg/m <sup>3</sup> 4 hours.       PEAK: 300 mg/m <sup>3</sup> 8 hours.         PEAK: 300 mg/m <sup>3</sup> 4 hours.       PEAK: 300 mg/m <sup>3</sup> 8 hours.         PEAK: 300 mg/m <sup>3</sup> 4 hours.       PEAK: 300 mg/m <sup>3</sup> 8 hours.         PEAK: 400 mg/m <sup>3</sup> 16 minutes.       TWX: 50 pg/m <sup>3</sup> 8 hours.         PEAK: 400 mg/m <sup>3</sup> 4 times per shift, 15 minutes.       TWX: 50 pg/m <sup>3</sup> 8 hours.         PEAK: 400 mg/m <sup>3</sup> 4 times per shift, 15 minutes.       TWX: 20 pg/m <sup>3</sup> 8 hours.         PEAK: 300 mg/m <sup>3</sup> 16 minutes.       TWX: 20 pg/m <sup>3</sup> 8 hours.         PEAK: 400 mg/m <sup>3</sup> 4 times per shift, 15 minutes.       TWX: 20 pg/m <sup>3</sup> 8 hours.         PEAK: 400 mg/m <sup>3</sup> 16 minutes.       TWX: 20 pg/m <sup>3</sup> 16 minutes.         TWX: 20 pg/m <sup>3</sup> 16 minutes.       TWX: 20 pg/m <sup>3</sup> 16 minutes.         TWX: 20 pg/m <sup>3</sup> 16 minutes.       PEAK: 400 mg/m <sup>3</sup> 16 minutes.		
Toluene       TRGS 900 OEL (Germany, 6/2022), Absorbed through skin.         TWX: 150 ppm 8 hours.       PEAK: 380 mg/m <sup>2</sup> 8 hours.         PEAK: 100 ppm 15 minutes.       TWX: 50 ppm 8 hours.         PEAK: 100 ppm 16 hours.       PEAK: 100 ppm 16 hours.         PEAK: 200 ppm 8 hours.       PEAK: 380 mg/m <sup>2</sup> 8 hours.         PEAK: 200 ppm 4 hours.       PEAK: 380 mg/m <sup>2</sup> 8 hours.         PEAK: 200 ppm 4 hours.       PEAK: 440 mg/m <sup>2</sup> 15 minutes.         TWX: 200 ppm 6 hours.       PEAK: 440 mg/m <sup>2</sup> 15 minutes.         PEAK: 200 ppm 6 hours.       PEAK: 440 mg/m <sup>2</sup> 15 minutes.         PEAK: 200 ppm 15 minutes.       TWX: 200 ppm 8 hours.         PEAK: 100 ppm 16 hours.       PEAK: 100 ppm 15 minutes.         PEAK: 200 ppm 8 hours.       PEAK: 100 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 100 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PEAK: 200 ppm 16 hours.         PEAK: 200 ppm 16 hours.       PE		
TWA: 190 mg/m <sup>2</sup> 8 hours.         FEAK: 300 mg/m <sup>2</sup> 15 minutes.         TWA: 50 ppm 8 hours.         FEAK: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 190 mg/m <sup>2</sup> 8 hours.         PEAK: 100 ppm 4 hours.         PEAK: 100 ppm 4 hours.         PEAK: 200 mg/m <sup>2</sup> 8 hours.         PEAK: 400 mg/m <sup>2</sup> , 4 times per shift, 15 minutes.         TWA: 200 ppm 8 hours.         PEAK: 200 ppm 6 hours.         PEAK: 200 ppm 8 hours.         PEAK: 200 ppm 6 hours.         PEAK: 200 ppm 16 minutes.         TWA: 20 ppm 8 hours.         PEAK: 200 ppm 16 minutes.         TWA: 20 ppm 8 hours.         PEAK: 200 ppm 16 minutes.         TWA: 20 ppm 8 hours.         PEAK: 200 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.		
PEAK: 380 mg/m <sup>1</sup> 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/202). Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 300 mg/m <sup>2</sup> 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 mg/m <sup>2</sup> 8 hours.         PEAK: 400 mg/m <sup>2</sup> 8 hours.         PEAK: 400 ppm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 ppm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 ppm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 ppm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 ppm 14 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 4 hours.         PEAK: 100 ppm 4 hours.         PEAK: 100 ppm 4 hours.         PEAK: 100 ppm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 20 ppm 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.	Toluene	
TWA: 50 ppm 8 hours,         PEAX: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 50 ppm 8 hours,         PEAX: 100 ppm, 4 limes per shift, 15 minutes.         TWA: 200 mg/m <sup>2</sup> 8 hours,         PEAX: 200 mg/m <sup>2</sup> 8 hours,         PEAX: 200 ppm 8 hours,         PEAX: 400 ppm 15 minutes.         TWA: 200 ppm 8 hours,         PEAX: 400 ppm 15 minutes.         TWA: 200 ppm 8 hours,         PEAX: 400 ppm 15 minutes.         TWA: 50 ppm 8 hours,         PEAX: 400 ppm 15 minutes.         TWA: 50 ppm 8 hours,         PEAX: 400 ppm 15 minutes.         TWA: 50 ppm 8 hours,         PEAX: 400 ppm 15 minutes.         TWA: 20 ppm 8 hours,         PEAX: 400 ppm 15 minutes.         TWA: 20 ppm 8 hours,         PEAX: 100 ppm 15 minutes.         TWA: 20 ppm 8 hours,         PEAX: 100 ppm 15 minutes,         TWA: 10 ppm 8 hours,         PEAX: 100 ppm 15 minutes,         DFG MAC-values list (Germany, 7/2022), Absorbed thro		
PEAK: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 380 mg/m <sup>2</sup> 4 times per shift, 15 minutes.         TRGS 900 CEL (Germany, 6/2022). [xylene] Absorbed through skin.         TWA: 220 mg/m <sup>2</sup> 8 hours.         PEAK: 440 mg/m <sup>2</sup> 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 pm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 440 mg/m <sup>2</sup> 16 minutes.         TWA: 50 ppm 8 hours.         PEAK: 440 mg/m <sup>2</sup> 16 minutes.         TWA: 50 ppm 8 hours.         PEAK: 440 mg/m <sup>2</sup> 16 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 20 ppm 15 minutes.         TWA: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbe		
PFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 100 ppm, 4 times per shift, 15 minutes.         TROS 900 OEL (Germany, 6/2022). [Xylene] Absorbed through skin.         TWA: 200 mg/m <sup>2</sup> 8 hours.         PEAK: 300 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 500 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.         TWA: 500 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 500 ppm 8 hours.         PEAK: 400 mg/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pm/m 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pm/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pm/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 20 pm 8 hours.         PEAK: 20 pm/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 20 pm 8 hours.         PEAK: 20 pm/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 20 pm 8 hours.         PEAK: 20 pm/m <sup>3</sup> 4 hours.         PEAK: 20 pm/m <sup>3</sup> 4 hours.         PEAK: 20 pm/m 8 hours.		
skin.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 100 mg/m <sup>3</sup> 8 hours.         PEAK: 380 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.         TRCS 900 OEL (Germany, 6/2022). [xylene] Absorbed through skin.         TWA: 220 mg/m <sup>3</sup> 8 hours.         PEAK: 400 mg/m <sup>3</sup> 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 mg/m <sup>3</sup> 16 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 mg/m <sup>3</sup> 16 hours.         PEAK: 400 mg/m <sup>3</sup> 16 hours.         PEAK: 400 mg/m <sup>3</sup> 16 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 20 mg/m <sup>3</sup> 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 100 ppm 16 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 100 ppm 16 hours.         PEAK: 100 ppm 16 hours.         PEAK: 100 ppm 16 hours.         PEAK: 40 ppm 16 ininutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 16 ininutes.         TWA: 20 ppm 8 hours.		
TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TROS 900 OEL (Germany, 6/2022). [xylene] Absorbed through skin.         TWA: 220 mg/m³ 8 hours.         PEAK: 300 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         DF6 MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 220 mg/m³ 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 4 hours.         PEAK: 100 ppm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 60 mg/m 8 hours.         PEAK: 100 ppm 16 hours.		
PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 100 mg/m <sup>3</sup> 4 times per shift, 15 minutes.         PEAK: 380 mg/m <sup>3</sup> 4 times per shift, 15 minutes.         TRGS 900 CEL (Germany, 6/2022). [xylene] Absorbed through skin.         TWA: 20 mg/m <sup>3</sup> 8 hours.         PEAK: 100 ppm 16 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 16 minutes.         DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 14 times per shift, 15 minutes.         TWA: 50 opm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 50 opm 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 20 mg/m <sup>3</sup> 6 hours.         PEAK: 100 ppm 8 hours.         PEAK: 102 ppm 4 times per shift, 15 minutes.         TWA: 66 mg/m <sup>3</sup> 8 hours.         PEAK: 102 ppm 8 hours.         PEAK: 100 ppm 14 firs minutes.		• • • • • • • • • • • • • • • • • • • •
TWA: 190 mg/m <sup>2</sup> 8 hours.         PEAK: 380 mg/m <sup>2</sup> , 4 times per shift, 15 minutes.         TRGS 900 OEL (Germany, 6/2022). [xylene] Absorbed through skin.         TWA: 220 mg/m <sup>2</sup> 8 hours.         PEAK: 440 mg/m <sup>2</sup> 15 minutes.         DFG MAC-values list (Germany, 7/2022). [Xylene] (all isomers)]         Absorbed through skin.         TWA: 20 ppm 4 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 200 mg/m <sup>2</sup> 8 hours.         PEAK: 400 mg/m <sup>2</sup> , 4 times per shift, 15 minutes.         TWA: 200 mg/m <sup>2</sup> 8 hours.         PEAK: 400 mg/m <sup>2</sup> , 4 times per shift, 15 minutes.         TWA: 100 ppm 4 hours.         PEAK: 100 ppm 6 hours.         PEAK: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 20 pm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 20 ppm 14 hours.         PEAK: 20 ppm 15 minutes.      <		
Xylene       PEAK: 380 mg/m <sup>2</sup> , 4 times per shift, 15 minutes.         TRGS 900 CEL (Germany, 6/2022). [xylene] Absorbed through skin.       TWA: 220 mg/m <sup>3</sup> 8 hours.         PEAK: 440 mg/m <sup>3</sup> 15 minutes.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.       DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm 16 hours.       PEAK: 100 ppm 16 minutes.         TWA: 50 ppm 8 hours.       PEAK: 100 ppm 14 binutes.         TWA: 50 ppm 8 hours.       PEAK: 100 mg/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.       PEAK: 100 mg/m <sup>3</sup> 4 binus.         PEAK: 100 mg/m <sup>3</sup> 4 binus.       PEAK: 100 mg/m <sup>3</sup> 4 binus.         PEAK: 100 mg/m <sup>3</sup> 4 binus.       PEAK: 100 mg/m <sup>3</sup> 4 binus.         PEAK: 100 mg/m <sup>3</sup> 4 binus.       PEAK: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 6/2022). Absorbed through skin.       TWA: 10 ppm 8 hours.         PEAK: 100 ppm 4 binus.       PEAK: 20 ppm 15 minutes.         PEAK: 20 ppm 4 hours.       PEAK: 20 ppm 4 hours.         PEAK: 20 ppm 4 hours.       PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.       PEAK: 20 ppm 15 minutes.         PEAK: 20 ppm 4 hours.       PEAK: 40 ppm. 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.       PEAK: 40 ppm. 4 times per shift, 15 minutes. <td></td> <td></td>		
skin.       TWA: 220 mg/m³ 8 hours.         PEAK: 440 mg/m³ 15 minutes.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm 16 minutes.       DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.       TWA: 220 mg/m³ 8 hours.         PEAK: 400 mg/m³, 4 times per shift, 15 minutes.       TWA: 220 mg/m³ 8 hours.         PEAK: 300 mg/m³ 16 minutes.       TWA: 50 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 10 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 10 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 10 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 10 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 10 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 10 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 10 ppm 8 hours.         PEAK: 20 pm 16 minutes.       TWA: 20 pm 8 hours.         PEAK: 20 pm 17 minutes.       TWA: 20 pm 8 hours.         PEAK: 40 ppm 15 minutes.       TWA: 20 pm 8 hours.         PEAK: 40 ppm 16 minutes.       TWA: 88 mg/m³ 8 hours.         PEAK: 40 ppm 4 times per shift, 15 minutes.       TWA: 88 mg/m³ 8 hours.         PEAK: 40 ppm 4 times per shift, 15 minutes.       TWA: 80 mg/m³ 8 hours.         PEA		
TWA: 220 mg/m³ 8 hours.         PEAK: 440 mg/m³ 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 220 mg/m³ 8 hours.         PEAK: 440 mg/m³ 4 hours.         PEAK: 100 mg/m³ 16 hours.         PEAK: 100 mg/m³ 16 hours.         PEAK: 100 mg/m³ 16 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 4 times per shift, 15 minutes.         TWA: 20 ppm 3 hours.         PEAK: 176 mg/m³ 15 minutes.         TWA: 88 mg/m³ 8 hours.         PEAK: 176 mg/m³ 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 176 mg/m³ 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 176 mg/m³ 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 100 ppm 14 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         P	Xylene	
<ul> <li>PEAK: 40 mg/m<sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]</li> <li>Absorbed through skin. TWA: 50 ppm 8 hours. PEAK: 120 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup>, 4 times per shift, 15 minutes. TWA: 220 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 130 mg/m<sup>3</sup> 16 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 20 ppm 15 minutes.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 320 mg/m<sup>3</sup> 4 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 68 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 68 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 3 hours.</li> <li>PEAK: 40 ppm 3 hours.</li> <li>PEAK: 40 ppm 3 hours.</li> <li>PEAK: 40 ppm 4 hours.</li> <li>PEAK: 40 ppm 3 hours.</li> <li>PEAK: 40 ppm 8 hours.</li> <li>PEAK: 40 ppm 8 hours.</li> <li>PEAK: 40 ppm 4 shours.</li> <li>PEAK: 40 ppm 7 5 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 7 5 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 7 5 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 7 5 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 400 pm 15 minutes.</li> <li>TWA: 20 mg/m 9 hours.</li> <li>PEAK: 100 ppm 4 times per shift, 15 minutes.</li> <li>TWA: 20 ppm 7 8 hours.</li> <li>PEAK: 400 pm 7 15 minutes.</li> <li>TWA: 20 mg/m 9 hours.</li> <li>PEAK: 100 ppm 4 minutes.</li> <li>TWA: 20 mg/m 9 hours.</li> <li>PEAK: 100 ppm 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ppm 4 times p</li></ul>		
TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 16 minutes.         DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 200 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 400 mg/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 65 mg/m <sup>3</sup> 8 hours.         PEAK: 100 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 66 mg/m <sup>3</sup> 8 hours.         PEAK: 176 mg/m <sup>3</sup> 15 minutes.         TWA: 88 mg/m <sup>3</sup> 8 hours.         PEAK: 176 mg/m <sup>3</sup> 15 minutes.         TWA: 88 mg/m <sup>3</sup> 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 88 mg/m <sup>3</sup> 8 hours.         PEAK: 40 ppm 4 times per shift, 15 minutes.         TWA: 88 mg/m <sup>3</sup> 8 hours.         PEAK: 40 ppm, 4 times per shift, 15 minutes.         TWA: 20 mg/m <sup>3</sup> 8 hours.         PEAK: 40 ppm 4 times per shift, 15 minutes. <t< td=""><td></td><td></td></t<>		
PEAK: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 220 mg/m <sup>3</sup> 8 hours.         PEAK: 440 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.         TWA: 220 mg/m <sup>3</sup> 8 hours.         PEAK: 100 ppm 8 hours.         PEAK: 20 pgm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pgm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pgm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pgm, 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pgm, 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pgm, 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pgm, 4 times per shift, 15 minutes.         TWA: 20 pgm 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 20 pgm 8 hours.         PEAK: 40 ppm, 4 times per shift, 15 minutes.         TWA: 20 pgm 8 hours.         PEAK: 40 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 pp		
DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]         Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 220 mg/m <sup>3</sup> 8 hours.         PEAK: 440 mg/m <sup>3</sup> 4 times per shift, 15 minutes.         TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.         TWA: 10 ppm 8 hours.         PEAK: 130 mg/m <sup>3</sup> 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 132 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 176 mg/m <sup>3</sup> 8 hours.         PEAK: 176 mg/m <sup>3</sup> 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 176 mg/m <sup>3</sup> 8 hours.         PEAK: 176 mg/m <sup>3</sup> 8 hours.         PEAK: 176 mg/m <sup>3</sup> 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, f/2022). Absorbed through skin.         TWA: 88 mg/m <sup>3</sup> 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm, 4 times per shift, 1		
Absorbed through skin.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 220 mg/m <sup>2</sup> 8 hours.         PEAK: 400 mg/m <sup>2</sup> 4 times per shift, 15 minutes.         TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.         TWA: 65 mg/m <sup>2</sup> 8 hours.         PEAK: 100 pm 6 hours.         PEAK: 200 pm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 200 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 200 ppm, 4 times per shift, 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 200 ppm, 4 times per shift, 15 minutes.         TWA: 66 mg/m <sup>2</sup> 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 66 mg/m <sup>2</sup> 8 hours.         PEAK: 132 mg/m <sup>2</sup> , 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 176 mg/m <sup>3</sup> 8 hours.         PEAK: 176 mg/m <sup>3</sup> 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 176 mg/m <sup>3</sup> 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 16 minutes.         TWA: 50 ppm 8 ho		
<ul> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 pgm, 4 times per shift, 15 minutes.</li> <li>TWA: 220 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 440 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 130 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 130 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 65 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 20 ppm 15 minutes.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 66 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 66 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 20 ppm 4 hours.</li> <li>PEAK: 40 ppm 4 hours.</li> <li>PEAK: 40 ppm 5 hours.</li> <li>PEAK: 40 ppm 6 hours.</li> <li>PEAK: 40 ppm 7 hours.</li> <li>PEAK: 40 ppm 4 hours.</li> <li>PEAK: 40 ppm 8 hours.</li> <li>PEAK: 40 ppm 8 hours.</li> <li>PEAK: 10 ppm 9 hours.</li> <li>PEAK: 10 ppm 9 hours.</li> <li>PEAK: 10 ppm 9 hours.</li> <li>PEAK: 10 ppm 8 hours.</li> <li>PEAK: 10 ppm 8 hours.</li> <li>PEAK: 100 ppm 9 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 100 ppm 16 hours.</li> <li>PEAK: 20 ppm 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 100 ppm 9 hours.</li> <li>PEAK: 100 ppm 17 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 100 ppm 9 hours.</li> <li>PEAK: 100 ppm 4 times per shift, 15 minutes.</li> <li>TWA: 20 ppm 16 hours.</li> <li>PEAK: 20 ppm 17 minutes.</li> <li>PEAK: 20 ppm 16 minutes.</li> <li>PEAK: 20 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm 4 hours.</li> <li>PEAK: 100 ppm 4 hours.</li> <li>PEAK: 100 ppm 4 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mg/m<sup></sup></li></ul>		
PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 220 mg/m³ 8 hours.         PEAK: 440 mg/m³ 6 hours.         PEAK: 310 mg/m³ 16 minutes.         TWA: 65 mg/m³ 8 hours.         PEAK: 310 mg/m³ 16 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 pm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm 15 minutes.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 88 mg/m³ 8 hours.         PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 88 mg/m³ 8 hours.         PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 88 mg/m³ 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 88 mg/m³ 8 hours.         PEAK: 40 ppm 15 minutes.         TWA: 200 mg/m³ 8 hours.		
2-butoxyethyl acetate       TWA: 220 mg/m³ 8 hours: PEAK: 440 mg/m³, 4 times per shift, 15 minutes. TWA: 65 mg/m³ 8 hours. PEAK: 20 ppm 15 minutes. TWA: 10 ppm 8 hours. PEAK: 20 ppm 15 minutes.         2-butoxyethyl acetate       TRGS 900 OEL (Germany, 6/2022). Absorbed through skin. TWA: 10 ppm 8 hours. PEAK: 20 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 66 mg/m³ 8 hours. PEAK: 20 ppm, 4 times per shift, 15 minutes. TWA: 66 mg/m³ 8 hours. PEAK: 20 ppm, 4 times per shift, 15 minutes.         Ethylbenzene       TRGS 900 OEL (Germany, 6/2022). Absorbed through skin. TWA: 20 ppm 8 hours. PEAK: 176 mg/m³ 15 minutes. TWA: 20 ppm 8 hours. PEAK: 40 ppm 15 minutes. DFG MAC-values list (Germany, 7/2022). Absorbed through skin. TWA: 20 ppm 8 hours. PEAK: 176 mg/m³, 4 times per shift, 15 minutes. PEAK: 176 mg/m³ 4 hours. PEAK: 176 mg/m³ 8 hours. TWA: 20 ppm 8 hours. TWA: 20 ppm 8 hours. PEAK: 100 pm 15 minutes. TWA: 20 ppm 8 hours. PEAK: 400 ppm 16 minutes. TWA: 20 ppm 8 hours. PEAK: 400 ppm 15 minutes. TWA: 20 ppm 8 hours. PEAK: 400 ppm 15 minutes. TWA: 20 ppm 8 hours. PEAK: 400 ppm 15 minutes. TWA: 20 ppm 8 hours. PEAK: 100 ppm 4 times per shift, 15 minutes. TWA: 210 mg/m³ 8 hours. PEAK: 420 mg/m³ 15 minutes.		
<ul> <li>PEAK: 440 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.</li> <li>TWA: 65 mg/m<sup>3</sup> 15 minutes.</li> <li>PEAK: 20 ppn 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppn 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 16 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 20 ppm 8 hours.</li> <li>TWA: 50 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 400 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm 4 limes per shift, 15 minutes.</li> <li>TWA: 50 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 16 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm 4 limes per shift, 15 minutes.</li> <li>PEAK: 420 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 4</li></ul>		
<ul> <li>TWA: 65 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 130 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 65 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 68 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 40 ppm 4 times per shift, 15 minutes.</li> <li>PEAK: 176 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ppm 8 hours.</li> <li>TWA: 20 ppm 15 minutes.</li> <li>TWA: 20 ppm 15 minutes.</li> <li>TWA: 20 mJ/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TWA: 20 mJ/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TWA: 20 mJ/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>PEAK: 100 mJ/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mJ/m<sup>3</sup> 8 hours.</li> <li>PEAK: 20 mJ/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TWA: 20 mJ/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>PEAK: 100 mJ/m<sup>3</sup> 8 hours.</li> </ul>		
<ul> <li>PEAK: 130 mg/m³ 15 minutes. TWA: 10 ppm 8 hours. PEAK: 20 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours. PEAK: 20 ppm, 4 times per shift, 15 minutes. TWA: 66 mg/m³ 8 hours. PEAK: 132 mg/m³ 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin. TWA: 88 mg/m³ 6 hours. PEAK: 176 mg/m³ 15 minutes.</li> <li>TWA: 20 ppm 8 hours. PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 8 hours. PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m³ 8 hours.</li> <li>PEAK: 420 mg/m³ 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 420 mg/m³ 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 420 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 20 ppm 4 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 mg/m³ 4 hours.</li> <li>PEAK: 100 mg/m³ 4 times per shift, 15 minutes.</li> </ul>	2-butoxyethyl acetate	
<ul> <li>TWA: 10 ppm 8 hours. PEAK: 20 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours. PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 66 mg/m<sup>3</sup> 8 hours. PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours. PEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 20 ppm 8 hours. PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 8 hours. PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ml/m<sup>3</sup> 4 times per shift, 15 minutes.</li> </ul>		
<ul> <li>PEAK: 20 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 66 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 176 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>Absorbed through skin.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>Absorbed through skin.</li> <li>PEAK: 420 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 400 ppm 15 minutes.</li> <li>TWA: 50 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm 16 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 50 ml/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 8 hours.</li> </ul>		
DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 66 mg/m³ 8 hours.         PEAK: 132 mg/m³ 4 times per shift, 15 minutes.         TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.         TWA: 60 mg/m³ 8 hours.         PEAK: 176 mg/m³ 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         REAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         PEAK: 176 mg/m³ 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         PEAK: 40 ppm, 4 times per shift, 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 100 mg/m³ 8 hours.         TWA: 20 ppm 8 hours.         PEAK: 420 mg/m³ 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         TWA: 50 ml/m³ 8 hours.         PEAK: 100 ppm 4 times per shift, 15 minutes.         TWA: 50 ml/m³ 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 210 mg/m³ 8 hours.         PEAK: 100 ml/m³ 8 hours.<		
skin.         TWA: 10 ppm 8 hours.         PEAK: 20 ppm, 4 times per shift, 15 minutes.         TWA: 66 mg/m³ 8 hours.         PEAK: 132 mg/m³, 4 times per shift, 15 minutes.         TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.         TWA: 88 mg/m³ 8 hours.         PEAK: 176 mg/m³ 15 minutes.         TWA: 20 ppm 8 hours.         PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 88 mg/m³ 8 hours.         PEAK: 40 ppm, 4 times per shift, 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.         TWA: 20 ppm 8 hours.         TWA: 88 mg/m³ 8 hours.         TWA: 80 mg/m³ 15 minutes.         DFG MAC-values list (Germany, 6/2022).         TWA: 20 ppm 8 hours.         TWA: 20 ppm 8 hours.         TWA: 210 mg/m³ 16 minutes.         TWA: 210 mg/m³ 16 minutes.         PEAK: 420 mg/m³ 15 minutes.         TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Skin sensitiser.         TWA: 50 ml/m³ 8 hours.         PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 210 mg/m³ 8 hours.         PEAK: 100 mg/m³ 8 hours.         PEAK: 100 mg/m³ 8 hours.		
<ul> <li>TWA: 10 ppm 8 hours.</li> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 66 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>DFG MAC-values list (Germany, 6/2022).</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m<sup>3</sup> 8 hours.</li> <li>PEAK: 400 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TWA: 50 ml/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ml/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> </ul>		
<ul> <li>PEAK: 20 ppm, 4 times per shift, 15 minutes. TWA: 66 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin. TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 176 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 20 ppm 8 hours.</li> <li>PEAK: 20 ppm 8 hours.</li> <li>PEAK: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 20 ppm 15 minutes.</li> <li>TWA: 50 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 mJ/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m<sup>3</sup> 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 20 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 4 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> </ul>		
<ul> <li>TWA: 66 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 132 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>DFG MAC-values list (Germany, 6/2022). Absorbed through skin.</li> <li>PEAK: 176 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 176 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 400 ppm 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 4 times per shift, 15 minutes.</li> <li>PEAK: 100 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 mg/m<sup>3</sup> 8 hours.</li> </ul>		
<ul> <li>PEAK: 132 mg/m³, 4 times per shift, 15 minutes.</li> <li>TRGS 900 OEL (Germany, 6/2022). Absorbed through skin. TWA: 88 mg/m³ 8 hours.</li> <li>PEAK: 40 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 176 mg/m³, 4 times per shift, 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 400 ppm 15 minutes.</li> <li>TWA: 50 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 20 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ml/m³ 8 hours.</li> </ul>		
Ethylbenzene       TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.         TWA: 88 mg/m³ 8 hours.       PEAK: 176 mg/m³ 15 minutes.         TWA: 20 ppm 8 hours.       PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.       PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.       PEAK: 40 ppm 15 minutes.         DFG MAC-values list (Germany, 7/2022). Absorbed through skin.       PEAK: 176 mg/m³, 4 times per shift, 15 minutes.         Methyl methacrylate       TRGS 900 OEL (Germany, 6/2022).         TWA: 210 mg/m³ 8 hours.       PEAK: 420 mg/m³ 15 minutes.         TWA: 50 ppm 8 hours.       PEAK: 100 ppm 15 minutes.         PEAK: 100 ppm 15 minutes.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.       TWA: 50 ppm 8 hours.         PEAK: 100 ppm 15 minutes.       DFG MAC-values list (Germany, 7/2022). Skin sensitiser.         TWA: 50 ml/m³ 8 hours.       PEAK: 100 ppm, 4 times per shift, 15 minutes.         TWA: 210 mg/m³ 8 hours.       PEAK: 420 mg/m³ 4 hours.         PEAK: 100 pm/, 4 times per shift, 15 minutes.       TWA: 210 mg/m³ 8 hours.         PEAK: 100 ml/m³, 4 times per shift, 15 minutes.       PEAK: 100 ml/m³, 4 times per shift, 15 minutes.		
<ul> <li>PEAK: 176 mg/m³ 15 minutes.</li> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 176 mg/m³, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m³ 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 420 mg/m³ 15 minutes.</li> <li>PEAK: 420 mg/m³ 15 minutes.</li> <li>DFG MAC-values list (Germany, 6/2022).</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 20 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 4 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> </ul>	Ethylbenzene	
<ul> <li>TWA: 20 ppm 8 hours.</li> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 176 mg/m³, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m³ 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 420 ng/m³ 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 50 ml/m³ 8 hours.</li> </ul>		
<ul> <li>PEAK: 40 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 176 mg/m³, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m³ 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 210 mg/m³ 15 minutes.</li> <li>PEAK: 420 mg/m³ 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 100 ml/m³, 4 times per shift, 15 minutes.</li> </ul>		
<ul> <li>DFG MAC-values list (Germany, 7/2022). Absorbed through skin.</li> <li>PEAK: 40 ppm, 4 times per shift, 15 minutes.</li> <li>PEAK: 176 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 88 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 npl/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> </ul>		
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<ul> <li>PEAK: 176 mg/m³, 4 times per shift, 15 minutes. TWA: 88 mg/m³ 8 hours. TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022). TWA: 210 mg/m³ 15 minutes.</li> <li>PEAK: 420 mg/m³ 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 420 mg/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³, 4 times per shift, 15 minutes.</li> </ul>		
<ul> <li>TWA: 88 mg/m³ 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 420 mg/m³ 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m³ 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m³ 8 hours.</li> <li>PEAK: 420 mg/m³ 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ml/m³, 4 times per shift, 15 minutes.</li> </ul>		
<ul> <li>Methyl methacrylate</li> <li>TWA: 20 ppm 8 hours.</li> <li>TRGS 900 OEL (Germany, 6/2022).</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup> 8 hours.</li> <li>PEAK: 420 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ml/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> </ul>		
Methyl methacrylate <b>TRGS 900 OEL (Germany, 6/2022).</b> TWA: 210 mg/m³ 8 hours. PEAK: 420 mg/m³ 15 minutes. TWA: 50 ppm 8 hours. PEAK: 100 ppm 15 minutes. <b>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</b> TWA: 50 ml/m³ 8 hours. PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 210 mg/m³ 8 hours. PEAK: 420 mg/m³, 4 times per shift, 15 minutes. PEAK: 100 ml/m³, 4 times per shift, 15 minutes.		
<ul> <li>PEAK: 420 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>PEAK: 100 ppm 15 minutes.</li> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ml/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> </ul>	Methyl methacrylate	TRGS 900 OEL (Germany, 6/2022).
TWA: 50 ppm 8 hours. PEAK: 100 ppm 15 minutes. <b>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</b> TWA: 50 ml/m <sup>3</sup> 8 hours. PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 210 mg/m <sup>3</sup> 8 hours. PEAK: 420 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. PEAK: 100 ml/m <sup>3</sup> , 4 times per shift, 15 minutes.		
PEAK: 100 ppm 15 minutes. <b>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</b> TWA: 50 ml/m <sup>3</sup> 8 hours. PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 210 mg/m <sup>3</sup> 8 hours. PEAK: 420 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. PEAK: 100 ml/m <sup>3</sup> , 4 times per shift, 15 minutes.		
<ul> <li>DFG MAC-values list (Germany, 7/2022). Skin sensitiser.</li> <li>TWA: 50 ml/m<sup>3</sup> 8 hours.</li> <li>PEAK: 100 ppm, 4 times per shift, 15 minutes.</li> <li>TWA: 210 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> <li>PEAK: 100 ml/m<sup>3</sup>, 4 times per shift, 15 minutes.</li> </ul>		
TWA: 50 ml/m <sup>3</sup> 8 hours. PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 210 mg/m <sup>3</sup> 8 hours. PEAK: 420 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. PEAK: 100 ml/m <sup>3</sup> , 4 times per shift, 15 minutes.		
PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 210 mg/m <sup>3</sup> 8 hours. PEAK: 420 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. PEAK: 100 ml/m <sup>3</sup> , 4 times per shift, 15 minutes.		
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PEAK: 420 mg/m³, 4 times per shift, 15 minutes. PEAK: 100 ml/m³, 4 times per shift, 15 minutes.		
PEAK: 100 ml/m³, 4 times per shift, 15 minutes.		
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n-Butyl acetate	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021).
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
Ethyl acetate	Presidential Decree 307/1986: Occupational exposure limit
,	values (Greece, 9/2021).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
	STEL: 400 ppm 15 minutes.
Toluene	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
Xylene	STEL: 384 mg/m <sup>3</sup> 15 minutes. Presidential Decree 307/1986: Occupational exposure limit
Aylerie	values (Greece, 9/2021). [Xylenes (all isomers)] Absorbed
	through skin.
	TWA: 100 ppm 8 hours.
	TWA: 435 mg/m <sup>3</sup> 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 650 mg/m <sup>3</sup> 15 minutes.
2-butoxyethyl acetate	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).
	TWA: 20 ppm 8 hours.
	TWA: 135 mg/m <sup>3</sup> 8 hours.
	STEL: 40 ppm 15 minutes.
	STEL: 270 mg/m <sup>3</sup> 15 minutes.
Ethylbenzene	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).
	TWA: 100 ppm 8 hours.
	TWA: 435 mg/m <sup>3</sup> 8 hours.
	STEL: 125 ppm 15 minutes. STEL: 545 mg/m <sup>3</sup> 15 minutes.
Methyl methacrylate	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
n-Butyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Skin sensitiser.
	Inhalation sensitiser.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	PEAK: 723 mg/m <sup>3</sup> 15 minutes.
	PEAK: 150 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
Ethyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Skin sensitiser.
	Inhalation sensitiser.
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	PEAK: 1468 mg/m <sup>3</sup> 15 minutes.
	PEAK: 400 ppm 15 minutes.
Teluene	TWA: 200 ppm 8 hours.
Toluene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed
	through skin. Skin sensitiser. Inhalation sensitiser. TWA: 192 mg/m <sup>3</sup> 8 hours.
	PEAK: 384 mg/m <sup>3</sup> 15 minutes.
	PEAK: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
Xylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). [xylene, mixture
	of isomers] Absorbed through skin.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
	PEAK: 442 mg/m <sup>3</sup> 15 minutes.
	PEAK: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
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2-butoxyethyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed
	through skin.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
	PEAK: 333 mg/m <sup>3</sup> 15 minutes.
	PEAK: 50 ppm 15 minutes.
	TWA: 20 ppm 8 hours.
Ethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed
	through skin. Skin sensitiser. Inhalation sensitiser.
	TWA: 442 mg/m <sup>3</sup> 8 hours. PEAK: 884 mg/m <sup>3</sup> 15 minutes.
	PEAK: 200 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
Methyl methacrylate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed
	through skin. Skin sensitiser. Inhalation sensitiser.
	TWA: 208 mg/m <sup>3</sup> 8 hours.
	PEAK: 415 mg/m <sup>3</sup> 15 minutes.
	PEAK: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
n-Butyl acetate	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).
	[butyl acetate, all isomers]
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
Ethyl acetate	STEL: 150 ppm 15 minutes. Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).
	TWA: 540 mg/m <sup>3</sup> 8 hours.
	TWA: 150 ppm 8 hours.
Toluene	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).
	Absorbed through skin.
	STEL: 188 mg/m <sup>3</sup> 15 minutes.
	STEL: 50 ppm 15 minutes.
	TWA: 94 mg/m <sup>3</sup> 8 hours.
Yulana	TWA: 25 ppm 8 hours.
Xylene	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).
	[xylene, all isomers] Absorbed through skin. STEL: 442 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 109 mg/m <sup>3</sup> 8 hours.
	TWA: 25 ppm 8 hours.
2-butoxyethyl acetate	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).
	Absorbed through skin.
	STEL: 333 mg/m <sup>3</sup> 15 minutes.
	STEL: 50 ppm 15 minutes.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
Ethylbenzene	TWA: 20 ppm 8 hours. Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).
	Absorbed through skin.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 200 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
Methyl methacrylate	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).
	Absorbed through skin. Skin sensitiser.
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
n-Butyl acetate	NAOSH (Ireland, 5/2021). Notes: EU derived Occupational
	Exposure Limit Values
	OELV-8hr: 50 ppm 8 hours.
	OELV-8hr: 241 mg/m <sup>3</sup> 8 hours. OELV-15min: 150 ppm 15 minutes.
	OELV-15min: 723 mg/m <sup>3</sup> 15 minutes.
Ethyl acetate	NAOSH (Ireland, 5/2021). Notes: EU derived Occupational
,	Exposure Limit Values
	OELV-8hr: 200 ppm 8 hours.
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	OELV-15min: 400 ppm 15 minutes.
	OELV-15min: 1468 mg/m <sup>3</sup> 15 minutes.
	OELV-8hr: 734 mg/m <sup>3</sup> 8 hours.
Foluene	NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU
	derived Occupational Exposure Limit Values
	OELV-8hr: 50 ppm 8 hours.
	OELV-8hr: 192 mg/m <sup>3</sup> 8 hours.
	OELV-011. 192 fight o hours. OELV-15min: 100 ppm 15 minutes.
	OELV-15min: 384 mg/m <sup>3</sup> 15 minutes.
(ylene	NAOSH (Ireland, 5/2021). [xylene mixed isomers] Absorbed
yierie	through skin. Notes: EU derived Occupational Exposure Lin
	Values
	OELV-8hr: 50 ppm 8 hours.
	OELV-8hr: 221 mg/m <sup>3</sup> 8 hours.
	OELV-011. 221 mg/m o hours. OELV-15min: 100 ppm 15 minutes.
hutowyothyl apotata	OELV-15min: 442 mg/m <sup>3</sup> 15 minutes.
-butoxyethyl acetate	NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU
	derived Occupational Exposure Limit Values
	OELV-8hr: 20 ppm 8 hours.
	OELV-8hr: 133 mg/m <sup>3</sup> 8 hours.
	OELV-15min: 50 ppm 15 minutes.
	OELV-15min: 333 mg/m <sup>3</sup> 15 minutes.
thylbenzene	NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU
	derived Occupational Exposure Limit Values
	OELV-8hr: 100 ppm 8 hours.
	OELV-8hr: 442 mg/m <sup>3</sup> 8 hours.
	OELV-15min: 200 ppm 15 minutes.
	OELV-15min: 884 mg/m <sup>3</sup> 15 minutes.
1ethyl methacrylate	NAOSH (Ireland, 5/2021). Sensitization potential. Notes: EU
	derived Occupational Exposure Limit Values
	OELV-8hr: 50 ppm 8 hours.
	OELV-15min: 100 ppm 15 minutes.
-Butyl acetate	EU OEL (Europe, 1/2022). Notes: list of indicative
	occupational exposure limit values
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
thyl acetate	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Short Term: 400 ppm 15 minutes.
	Short Term: 1468 mg/m <sup>3</sup> 15 minutes.
	8 hours: 200 ppm 8 hours.
	8 hours: $734 \text{ mg/m}^3$ 8 hours.
oluene	Legislative Decree No. 819/2008. Title IX. Protection from
oldene	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Absorbed through skin.
	8 hours: 50 ppm 8 hours.
Valence -	8 hours: 192 mg/m <sup>3</sup> 8 hours.
ylene	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	[Xylenes, mixed isomers, pure] Absorbed through skin.
	8 hours: 50 ppm 8 hours.
	8 hours: 221 mg/m <sup>3</sup> 8 hours.
	Short Term: 100 ppm 15 minutes.
	Short Term: 442 mg/m <sup>3</sup> 15 minutes.
-butoxyethyl acetate	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Absorbed through skin.
	8 hours: 20 ppm 8 hours.
	8 hours: 133 mg/m <sup>3</sup> 8 hours.
	Short Term: 50 ppm 15 minutes.
	Short Term: 333 mg/m <sup>3</sup> 15 minutes.
Ethylbenzene	Legislative Decree No. 819/2008. Title IX. Protection from
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#### SECTION 8: Exposure controls/personal protection chemical agents, carcinogens and mutagens (Italy, 6/2020). Absorbed through skin. 8 hours: 100 ppm 8 hours. 8 hours: 442 mg/m<sup>3</sup> 8 hours. Short Term: 200 ppm 15 minutes. Short Term: 884 mg/m<sup>3</sup> 15 minutes. Legislative Decree No. 819/2008. Title IX. Protection from Methyl methacrylate chemical agents, carcinogens and mutagens (Italy, 6/2020). Short Term: 100 ppm 15 minutes. 8 hours: 50 ppm 8 hours. Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). n-Butyl acetate TWA: 241 mg/m<sup>3</sup> 8 hours. STEL: 150 ppm 15 minutes. STEL: 723 mg/m<sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). Ethyl acetate TWA: 200 mg/m<sup>3</sup> 8 hours. STEL: 400 ppm 15 minutes. STEL: 1468 mg/m<sup>3</sup> 15 minutes. TWA: 54 ppm 8 hours. Toluene Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). Absorbed through skin. TWA: 50 mg/m<sup>3</sup> 8 hours. STEL: 150 mg/m<sup>3</sup> 15 minutes. TWA: 14 ppm 8 hours. STEL: 40 ppm 15 minutes. **Xylene** Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). [Xylenes] Absorbed through skin. TWA: 221 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 442 mg/m<sup>3</sup> 15 minutes. 2-butoxyethyl acetate Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). Absorbed through skin. STEL: 50 ppm 15 minutes. TWA: 133 mg/m<sup>3</sup> 8 hours. TWA: 20 ppm 8 hours. STEL: 333 mg/m<sup>3</sup> 15 minutes. Ethylbenzene Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). Absorbed through skin. TWA: 442 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m<sup>3</sup> 15 minutes. Methyl methacrylate Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). TWA: 10 mg/m<sup>3</sup> 8 hours. Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). n-Butyl acetate TWA: 241 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. STEL: 723 mg/m<sup>3</sup> 15 minutes. STEL: 150 ppm 15 minutes. Ethyl acetate Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). TWA: 500 mg/m<sup>3</sup> 8 hours. TWA: 150 ppm 8 hours. CEIL: 1100 mg/m<sup>3</sup> CEIL: 300 ppm Toluene Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Absorbed through skin. TWA: 192 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m<sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. **Xylene** Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). [xylene, mixed isomers, pure] Absorbed through skin.

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	STEL: 442 mg/m <sup>3</sup> 15 minutes.
	TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
2-butoxyethyl acetate	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022).
	Absorbed through skin.
	TWA: 70 mg/m <sup>3</sup> 8 hours. TWA: 10 ppm 8 hours.
	STEL: 140 mg/m <sup>3</sup> 15 minutes.
	STEL: 20 ppm 15 minutes.
Ethylbenzene	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022).
	Absorbed through skin. TWA: 442 mg/m³ 8 hours.
	TWA: 100 ppm 8 hours.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
Active methodaylate	STEL: 200 ppm 15 minutes.
Methyl methacrylate	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Skir sensitiser. Inhalation sensitiser.
	TWA: 208 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 416 mg/m <sup>3</sup> 15 minutes.
Putul acostata	STEL: 100 ppm 15 minutes.
n-Butyl acetate	Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021).
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
	TWA: 50 ppm 8 hours.
Ethyl acetate	TWA: 241 mg/m <sup>3</sup> 8 hours. Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021).
	STEL: 400 ppm 15 minutes.
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
	TWA: 200 ppm 8 hours. TWA: 734 mg/m <sup>3</sup> 8 hours.
oluene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021). Absorbed through skin.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m <sup>3</sup> 15 minutes.
	TWA: 50 ppm 8 hours. TWA: 192 mg/m <sup>3</sup> 8 hours.
(ylene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021). [xylenes, mixed isomers, pure]
	Absorbed through skin.
	TWA: 50 ppm 8 hours. TWA: 221 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m <sup>3</sup> 15 minutes.
2-butoxyethyl acetate	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021). Absorbed through skin. TWA: 20 ppm 8 hours.
	TWA: 20 ppm 8 hours. TWA: 133 mg/m <sup>3</sup> 8 hours.
	STEL: 50 ppm 15 minutes.
-41	STEL: 333 mg/m <sup>3</sup> 15 minutes.
Ethylbenzene	Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021). Absorbed through skin.
	TWA: 100 ppm 8 hours.
	TWA: 442 mg/m <sup>3</sup> 8 hours.
	STEL: 200 ppm 15 minutes.
Aethyl methachylata	STEL: 884 mg/m <sup>3</sup> 15 minutes.
Methyl methacrylate	Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021).
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.

n-Butyl acetate	EU OEL (Europe, 1/2022). Notes: list of indicative
	occupational exposure limit values
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
Ethyl acetate	EU OEL (Europe, 1/2022). Notes: list of indicative
	occupational exposure limit values STEL: 400 ppm 15 minutes.
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m <sup>3</sup> 8 hours.
Toluene	EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list
	of indicative occupational exposure limit values
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 384 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
Xylene	EU OEL (Europe, 1/2022). [xylene, mixed isomers pure]
	Absorbed through skin. Notes: list of indicative occupational
	exposure limit values
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
2-butoxyethyl acetate	STEL: 442 mg/m <sup>3</sup> 15 minutes. EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list
	of indicative occupational exposure limit values
	TWA: 20 ppm 8 hours.
	TWA: 23 mg/m <sup>3</sup> 8 hours.
	STEL: 50 ppm 15 minutes.
	STEL: 333 mg/m <sup>3</sup> 15 minutes.
Ethylbenzene	EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list
	of indicative occupational exposure limit values
	TWA: 100 ppm 8 hours.
	TWA: 442 mg/m <sup>3</sup> 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
Methyl methacrylate	EU OEL (Europe, 1/2022). Notes: list of indicative
	occupational exposure limit values
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
n-Butyl acetate	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 12/2022).
	OEL, 8-h TWA: 241 mg/m <sup>3</sup> 8 hours.
	STEL,15-min: 723 mg/m <sup>3</sup> 15 minutes.
	STEL,15-min: 150 ppm 15 minutes.
Ethyl contato	OEL, 8-h TWA: 50 ppm 8 hours.
Ethyl acetate	Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 12/2022).
	STEL,15-min: 1468 mg/m <sup>3</sup> 15 minutes.
	OEL, 8-h TWA: 734 mg/m <sup>3</sup> 8 hours.
	STEL, 15-min: 400 ppm 15 minutes.
	OEL, 8-h TWA: 200 ppm 8 hours.
Toluene	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 12/2022).
	OEL, 8-h TWA: 150 mg/m <sup>3</sup> 8 hours.
	STEL,15-min: 384 mg/m <sup>3</sup> 15 minutes.
	STEL,15-min: 100 ppm 15 minutes.
	OEL, 8-h TWA: 39 ppm 8 hours.
Xylene	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 12/2022). [xylenes (all isomers)] Absorbed
	through skin.
	OEL, 8-h TWA: 210 mg/m <sup>3</sup> 8 hours.
	STEL,15-min: 442 mg/m <sup>3</sup> 15 minutes.
	STEL,15-min: 100 ppm 15 minutes.
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	OEL, 8-h TWA: 47.5 ppm 8 hours.
2-butoxyethyl acetate	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 12/2022). Absorbed through skin.
	OEL, 8-h TWA: 135 mg/m <sup>3</sup> 8 hours.
	STEL,15-min: 333 mg/m <sup>3</sup> 15 minutes.
	OEL, 8-h TWA: 20.3 ppm 8 hours.
	STEL,15-min: 50 ppm 15 minutes.
Ethylbenzene	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 12/2022). Absorbed through skin.
	OEL, 8-h TWA: 215 mg/m <sup>3</sup> 8 hours.
	STEL,15-min: 430 mg/m <sup>3</sup> 15 minutes.
	STEL,15-min: 97.3 ppm 15 minutes.
	OEL, 8-h TWA: 48.6 ppm 8 hours.
Methyl methacrylate	Ministry of Social Affairs and Employment, Legal limit values
, ,	(Netherlands, 12/2022).
	OEL, 8-h TWA: 205 mg/m <sup>3</sup> 8 hours.
	STEL,15-min: 410 mg/m <sup>3</sup> 15 minutes.
	STEL,15-min: 100 ppm 15 minutes.
	OEL, 8-h TWA: 50 ppm 8 hours.
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n-Butyl acetate	FOR-2011-12-06-1358 (Norway, 12/2022).
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
	STEL: 150 ppm 15 minutes.
	FOR-2011-12-06-1358 (Norway, 12/2022). Notes: indicative
	limit value
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
Ethyl acetate	FOR-2011-12-06-1358 (Norway, 12/2022). Notes: indicative
	limit value
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	FOR-2011-12-06-1358 (Norway, 12/2022).
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
	STEL: 400 ppm 15 minutes.
Toluene	FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through
	skin. Notes: indicative limit value
	TWA: 25 ppm 8 hours.
	TWA: 94 mg/m <sup>3</sup> 8 hours.
Xylene	FOR-2011-12-06-1358 (Norway, 12/2022). [Xylene, all isomers]
	Absorbed through skin. Notes: indicative limit value
	TWA: 25 ppm 8 hours.
	TWA: 108 mg/m <sup>3</sup> 8 hours.
2-butoxyethyl acetate	FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through
	skin. Notes: indicative limit value
	TWA: 10 ppm 8 hours.
	TWA: 65 mg/m <sup>3</sup> 8 hours.
Ethylbenzene	FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through
	skin. Carcinogen. Notes: indicative limit value
	TWA: 5 ppm 8 hours.
	TWA: 20 mg/m <sup>3</sup> 8 hours.
Methyl methacrylate	FOR-2011-12-06-1358 (Norway, 12/2022). Skin sensitiser.
	Notes: indicative limit value
	TWA: 25 ppm 8 hours.
	TWA: 100 mg/m <sup>3</sup> 8 hours.
	FOR-2011-12-06-1358 (Norway, 12/2022). Skin sensitiser.
	STEL: 400 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
n-Butyl acetate	Regulation of the Minister of Family, Labor and Social Policy
	of 18 February 2021, regarding the highest permissible
	concentrations and values of agents harmful to health in the
	work environment (Journal of Laws 2021, item 325) (Poland,
	2/2021).
	TWA: 240 mg/m <sup>3</sup> 8 hours.
	STEL: 720 mg/m <sup>3</sup> 15 minutes.
Ethyl acetate	Regulation of the Minister of Family, Labor and Social Policy
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#### SECTION 8: Exposure controls/personal protection of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). TWA: 734 mg/m<sup>3</sup> 8 hours. STEL: 1468 mg/m<sup>3</sup> 15 minutes. Toluene Regulation of the Minister of Family, Labor and Social Policy of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). Absorbed through skin. TWA: 100 mg/m<sup>3</sup> 8 hours. STEL: 200 mg/m<sup>3</sup> 15 minutes. **Xylene** Regulation of the Minister of Family, Labor and Social Policy of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). [xylene – mixed isomers (1,2-, 1,3-, 1,4-)] Absorbed through skin. TWA: 100 mg/m<sup>3</sup> 8 hours. STEL: 200 mg/m<sup>3</sup> 15 minutes. 2-butoxyethyl acetate Regulation of the Minister of Family, Labor and Social Policy of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). Absorbed through skin. TWA: 100 mg/m<sup>3</sup> 8 hours. STEL: 300 mg/m<sup>3</sup> 15 minutes. Ethylbenzene Regulation of the Minister of Family, Labor and Social Policy of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). Absorbed through skin. TWA: 200 mg/m<sup>3</sup> 8 hours. STEL: 400 mg/m<sup>3</sup> 15 minutes. Methyl methacrylate Regulation of the Minister of Family, Labor and Social Policy of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). TWA: 100 mg/m<sup>3</sup> 8 hours. STEL: 300 mg/m<sup>3</sup> 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). n-Butyl acetate TWA: 150 ppm 8 hours. STEL: 200 ppm 15 minutes. Ethyl acetate Portuguese Institute of Quality (Portugal, 11/2014). TWA: 400 ppm 8 hours. Toluene Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] **Xylene** TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. 2-butoxyethyl acetate Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). Ethylbenzene TWA: 20 ppm 8 hours. Methyl methacrylate Portuguese Institute of Quality (Portugal, 11/2014). Skin sensitiser. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes.

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n-Butyl acetate	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021).
	VLA: 241 mg/m <sup>3</sup> 8 hours.
	VLA: 50 ppm 8 hours.
	Short term: 723 mg/m <sup>3</sup> 15 minutes.
	Short term: 150 ppm 15 minutes.
Ethyl acetate	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021).
	VLA: 734 mg/m <sup>3</sup> 8 hours.
	VLA: 200 ppm 8 hours.
	Short term: 1468 mg/m <sup>3</sup> 15 minutes.
	Short term: 400 ppm 15 minutes.
Toluene	
Toluene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021). Absorbed through skin.
	VLA: 192 mg/m <sup>3</sup> 8 hours.
	VLA: 50 ppm 8 hours.
	Short term: 384 mg/m <sup>3</sup> 15 minutes.
	Short term: 100 ppm 15 minutes.
Xylene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021). [Xylene] Absorbed through skin.
	VLA: 221 mg/m <sup>3</sup> 8 hours.
	VLA: 50 ppm 8 hours.
	Short term: 442 mg/m <sup>3</sup> 15 minutes.
	Short term: 100 ppm 15 minutes.
2-butoxyethyl acetate	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021). Absorbed through skin.
	VLA: 133 mg/m <sup>3</sup> 8 hours.
	VLA: 20 ppm 8 hours.
	Short term: 333 mg/m <sup>3</sup> 15 minutes.
Ethylhonzono	Short term: 50 ppm 15 minutes.
Ethylbenzene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021). Absorbed through skin.
	VLA: 442 mg/m <sup>3</sup> 8 hours.
	VLA: 100 ppm 8 hours.
	Short term: 884 mg/m <sup>3</sup> 15 minutes.
	Short term: 200 ppm 15 minutes.
Methyl methacrylate	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021).
	VLA: 205 mg/m <sup>3</sup> 8 hours.
	Short term: 410 mg/m <sup>3</sup> 15 minutes.
	VLA: 50 ppm 8 hours.
	Short term: 100 ppm 15 minutes.
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n-Butyl acetate	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	[Butyl acetates]
	TWA: 241 mg/m <sup>3</sup> , (Butyl acetates) 8 hours.
	TWA: 50 ppm, (Butyl acetates) 8 hours.
	STEL: 723 mg/m <sup>3</sup> , (Butyl acetates) 15 minutes.
	STEL: 150 ppm, (Butyl acetates) 15 minutes.
Ethyl acetate	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	TWA: 200 ppm 8 hours.
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
	STEL: 400 ppm 15 minutes.
Toluene	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	Absorbed through skin.
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 384 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
Xylene	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	[xylene, mixed isomers] Absorbed through skin.
	TWA: 221 mg/m <sup>3</sup> , (xylene, mixed isomers) 8 hours.
	TWA: 50 ppm, (xylene, mixed isomers) 8 hours.
	STEL: 442 mg/m <sup>3</sup> , (xylene, mixed isomers) 15 minutes.
	STEL: 100 ppm, (xylene, mixed isomers) 15 minutes.

2-butoxyethyl acetate	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	Absorbed through skin.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
	TWA: 20 ppm 8 hours.
	STEL: 333 mg/m <sup>3</sup> 15 minutes.
Ethylbenzene	STEL: 50 ppm 15 minutes. Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	Absorbed through skin.
	TWA: 442 mg/m <sup>3</sup> 8 hours.
	TWA: 442 mg/m o hours.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
	STEL: 200 ppm 15 minutes.
Methyl methacrylate	Government regulation SR c. 355/2006 (Slovakia, 9/2020). Ski
	sensitiser.
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
n-Butyl acetate	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 5/2021).
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	TWA: 24 mig/m 8 hours.
	KTV: 723 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	KTV: 150 ppm, 4 times per shift, 15 minutes.
thyl acetate	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 5/2021).
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	TWA: 200 ppm 8 hours.
	KTV: 1468 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	KTV: 400 ppm, 4 times per shift, 15 minutes.
Foluene	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 5/2021).
	Absorbed through skin.
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	KTV: 384 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	KTV: 100 ppm, 4 times per shift, 15 minutes.
(ylene	Regulation on protection of workers from the risks related to
5	exposure to chemical substances at work (Slovenia, 5/2021).
	[xylene (mixture of isomers)] Absorbed through skin.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	KTV: 442 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	KTV: 100 ppm, 4 times per shift, 15 minutes.
2-butoxyethyl acetate	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 5/2021).
	Absorbed through skin.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
	TWA: 20 ppm 8 hours.
	KTV: 333 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	KTV: 50 ppm, 4 times per shift, 15 minutes.
Ethylbenzene	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 5/2021).
	Absorbed through skin.
	TWA: 442 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
	KTV: 884 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	KTV: 200 ppm, 4 times per shift, 15 minutes.
/lethyl methacrylate	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 5/2021).
	TWA: 210 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
	KTV: 420 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
	KTV: 100 ppm, 4 times per shift, 15 minutes.

n-Butyl acetate	National institute of occupational safety and health (Spain, 4/2022).
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
Ethyl acetate	National institute of occupational safety and health (Spain,
	4/2022).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m <sup>3</sup> 8 hours.
	STEL: 1468 mg/m <sup>3</sup> 15 minutes.
Taluana	STEL: 400 ppm 15 minutes.
Toluene	National institute of occupational safety and health (Spain,
	4/2022). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
Xylene	STEL: 384 mg/m <sup>3</sup> 15 minutes. National institute of occupational safety and health (Spain,
xylene	4/2022). [Xylene, mixture of isomers] Absorbed through skin.
	TWA: 50 ppm 8 hours. TWA: 221 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m <sup>3</sup> 15 minutes.
2-butoxyethyl acetate	National institute of occupational safety and health (Spain,
	4/2022). Absorbed through skin.
	TWA: 20 ppm 8 hours.
	TWA: 133 mg/m <sup>3</sup> 8 hours.
	STEL: 50 ppm 15 minutes.
	STEL: 333 mg/m <sup>3</sup> 15 minutes.
Ethylbenzene	National institute of occupational safety and health (Spain,
	4/2022). Absorbed through skin.
	TWA: 100 ppm 8 hours.
	TWA: 441 mg/m <sup>3</sup> 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
Methyl methacrylate	National institute of occupational safety and health (Spain,
	4/2022). Skin sensitiser.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
n-Butyl acetate	Work environment authority Regulation 2018:1 (Sweden,
·······	9/2021). [butyl acetate]
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m <sup>3</sup> 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m <sup>3</sup> 15 minutes.
Ethyl acetate	Work environment authority Regulation 2018:1 (Sweden,
	9/2021).
	TWA: 150 ppm 8 hours.
	TWA: 550 mg/m <sup>3</sup> 8 hours.
	STEL: 300 ppm 15 minutes.
	STEL: 1100 mg/m <sup>3</sup> 15 minutes.
Toluene	Work environment authority Regulation 2018:1 (Sweden,
	9/2021). Absorbed through skin. Ototoxicant.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m <sup>3</sup> 8 hours.
	STEL: 100 ppm 15 minutes.
Vulana	STEL: 384 mg/m <sup>3</sup> 15 minutes.
Xylene	Work environment authority Regulation 2018:1 (Sweden,
	9/2021). [xylene] Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m³ 8 hours.
	STEL: 100 ppm 15 minutes. STEL: 442 mg/m³ 15 minutes.
2-butoxyethyl acetate	Work environment authority Regulation 2018:1 (Sweden,
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		9/2021). Absorbed through skin.
		TWA: 10 ppm 8 hours.
		TWA: 70 mg/m <sup>3</sup> 8 hours.
		STEL: 50 ppm 15 minutes.
		STEL: 333 mg/m <sup>3</sup> 15 minutes.
-	thulbanzona	
	thylbenzene	Work environment authority Regulation 2018:1 (Sweden,
		9/2021). Absorbed through skin.
		TWA: 50 ppm 8 hours.
		TWA: 220 mg/m <sup>3</sup> 8 hours.
		STEL: 200 ppm 15 minutes.
		STEL: 884 mg/m <sup>3</sup> 15 minutes.
N	lethyl methacrylate	Work environment authority Regulation 2018:1 (Sweden,
		9/2021). Skin sensitiser.
		TWA: 50 ppm 8 hours.
		TWA: 200 mg/m <sup>3</sup> 8 hours.
		STEL: 100 ppm 15 minutes.
		STEL: 400 mg/m <sup>3</sup> 15 minutes.
n	-Butyl acetate	SUVA (Switzerland, 1/2023).
		TWA: 50 ppm 8 hours.
		TWA: 240 mg/m <sup>3</sup> 8 hours.
		STEL: 150 ppm 15 minutes.
		STEL: 720 mg/m <sup>3</sup> 15 minutes.
E	thyl acetate	SUVA (Switzerland, 1/2023).
	,	STEL: 400 ppm 15 minutes.
		STEL: 1460 mg/m <sup>3</sup> 15 minutes.
		TWA: 200 ppm 8 hours.
		TWA: 730 mg/m <sup>3</sup> 8 hours.
<b>-</b>	oluene	
1	oluelle	SUVA (Switzerland, 1/2023). Absorbed through skin.
		TWA: 50 ppm 8 hours.
		TWA: 190 mg/m <sup>3</sup> 8 hours.
		STEL: 200 ppm 15 minutes.
		STEL: 760 mg/m <sup>3</sup> 15 minutes.
Х	(ylene	SUVA (Switzerland, 1/2023). [Xylenes (all isomers)] Absorbed
	-	through skin.
		TWA: 50 ppm 8 hours.
		TWA: 220 mg/m <sup>3</sup> 8 hours.
		STEL: 100 ppm 15 minutes.
		STEL: 440 mg/m <sup>3</sup> 15 minutes.
2	-butoxyethyl acetate	SUVA (Switzerland, 1/2023). Absorbed through skin.
2	-buloxyelinyi acelale	
		TWA: 10 ppm 8 hours. Form: vapour and aerosols
		TWA: 66 mg/m <sup>3</sup> 8 hours. Form: vapour and aerosols
		STEL: 20 ppm 15 minutes. Form: vapour and aerosols
		STEL: 132 mg/m <sup>3</sup> 15 minutes. Form: vapour and aerosols
E	thylbenzene	SUVA (Switzerland, 1/2023). Absorbed through skin.
		TWA: 50 ppm 8 hours.
		TWA: 220 mg/m <sup>3</sup> 8 hours.
		STEL: 50 ppm 15 minutes.
		STEL: 220 mg/m <sup>3</sup> 15 minutes.
N	lethyl methacrylate	SUVA (Switzerland, 1/2023). Skin sensitiser.
	ioury moundor yield	TWA: 50 ppm 8 hours.
		TWA: 210 mg/m <sup>3</sup> 8 hours.
		STEL: 100 ppm 15 minutes.
		STEL: 420 mg/m <sup>3</sup> 15 minutes.
n	-Butyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020).
		STEL: 966 mg/m <sup>3</sup> 15 minutes.
		STEL: 200 ppm 15 minutes.
		TWA: 724 mg/m <sup>3</sup> 8 hours.
		TWA: 150 ppm 8 hours.
F	thyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020).
1		STEL: 400 ppm 15 minutes.
		TWA: 200 ppm 8 hours.
		STEL: 1468 mg/m <sup>3</sup> 15 minutes.
_		TWA: 734 mg/m <sup>3</sup> 8 hours.
	oluene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
		through skin.

SECTION 8: Exposure controls/personal protection		
	STEL: 384 mg/m <sup>3</sup> 15 minutes.	
	TWA: 191 mg/m <sup>3</sup> 8 hours.	
	TWA: 50 ppm 8 hours.	
Xylene	STEL: 100 ppm 15 minutes. EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m-,	
Aylerie	p- or mixed isomers] Absorbed through skin.	
	STEL: 441 mg/m <sup>3</sup> 15 minutes.	
	TWA: 50 ppm 8 hours.	
	TWA: 220 mg/m <sup>3</sup> 8 hours.	
	STEL: 100 ppm 15 minutes.	
2-butoxyethyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed	
	through skin.	
	TWA: 20 ppm 8 hours.	
	STEL: 50 ppm 15 minutes.	
	STEL: 332 mg/m <sup>3</sup> 15 minutes.	
	TWA: 133 mg/m <sup>3</sup> 8 hours.	
Ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed	
	through skin.	
	STEL: 552 mg/m <sup>3</sup> 15 minutes.	
	STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.	
	TWA: 100 ppin 8 hours. TWA: 441 mg/m <sup>3</sup> 8 hours.	
Methyl methacrylate	EH40/2005 WELs (United Kingdom (UK), 1/2020).	
	STEL: 416 mg/m <sup>3</sup> 15 minutes.	
	STEL: 100 ppm 15 minutes.	
	TWA: 208 mg/m <sup>3</sup> 8 hours.	
	TWA: 50 ppm 8 hours.	

## **Biological exposure indices**

Product/ingredient name	Exposure indices
Toluene	<ul> <li>VGU BEI (Austria, 9/2020)</li> <li>BEI Fitness: 250 µg/l, toluene [in blood]. Sampling time: one year BEI Fitness: 0.8 mg/l, o-cresol [in urine]. Sampling time: one year BEI Fitness: 130000 /µl, platelets (non-pathological differential blood count) [in blood]. Sampling time: one year.</li> <li>BEI Fitness: 150000 /µl, platelets [in blood]. Sampling time: one year.</li> <li>BEI Fitness: 3700 to 13000 /µl, leukocytes (non-pathological differential blood count) [in blood]. Sampling time: one year.</li> <li>BEI Fitness: 3700 to 13000 /µl, leukocytes (non-pathological differential blood count) [in blood]. Sampling time: one year.</li> <li>BEI Fitness: 4000 to 13000 /µl, leukocytes [in blood]. Sampling time: one year.</li> <li>BEI Fitness - men: 3.8 million/µl, erythrocytes [in blood]. Sampling time: one year.</li> <li>BEI Fitness - women: 3.2 million/µl, erythrocytes [in blood].</li> <li>Sampling time: one year.</li> <li>BEI Fitness - men: 12 g/dl, hemoglobin [in blood]. Sampling time: one year.</li> <li>BEI Fitness - women: 10 g/dl, hemoglobin [in blood]. Sampling time: one year.</li> </ul>
Xylene	<b>VGU BEI (Austria, 9/2020) [xylenes]</b> BEI Fitness: 1000 μg/l, xylene [in blood]. Sampling time: one year BEI Fitness: 1.5 g/l, methylhippuricacid [in urine]. Sampling time: one year.
No exposure indices known.	
Toluene	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021) BLV: 1.6 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: after the end of the exposure or the end of the work shift.
Ethylbenzene	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021) Notes: significant skin resorption possible

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SECTION 8: Exposure controls/	personal protection
	BLV: 2000 mg/g creatinine, mandelic acid and phenylglyoxylic acid – in total [in urine]. Sampling time: after the end of the exposure or the end of the work shift.
Toluene	Ministry of Economy, Labour and Entrepreneurship ILV/STEL (Croatia, 10/2018)
	BEI: 20 ppm, toluene [in end exhaled air]. Sampling time: during exposure.
	BEI: 0.83 µmol/l, toluene [in end exhaled air]. Sampling time: during exposure.
	BEI: 1 mg/l, toluene [in blood]. Sampling time: at the end of the work shift.
	BEI: 10.85 μmol/l, toluene [in blood]. Sampling time: at the end of the work shift.
	BEI: 1.05 mmol/mol creatinine, o-cresol [in urine]. Sampling time: at the end of the work shift.
	BEI: 1 mg/g creatinine, o-cresol [in urine]. Sampling time: at the end of the work shift.
	BEI: 1.58 mol/mol creatinine, hippuric acid [in urine]. Sampling time: at the end of the work shift.
	BEI: 2.5 g/g creatinine, hippuric acid [in urine]. Sampling time: at the end of the work shift.
Xylene	Ministry of Economy, Labour and Entrepreneurship ILV/STEL (Croatia, 10/2018) [xylene]
	BEI: 1.5 mg/l, xylene [in blood]. Sampling time: at the end of the work shift.
	BEI: 14.13 µmol/l, xylene [in blood]. Sampling time: at the end of the work shift.
	BEI: 0.88 mol/mol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift.
	BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift.
Ethylbenzene	Ministry of Economy, Labour and Entrepreneurship ILV/STEL (Croatia, 10/2018)
	BEI: 1.5 mg/l, ethylbenzene [in blood]. Sampling time: during exposure.
	BEI: 14.1 µmol/l, ethylbenzene [in blood]. Sampling time: during exposure.
	BEI: 1.12 mol/mol creatinine, almond acid [in urine]. Sampling time: at the end of the work shift and at the end of the working week.
	BEI: 1.5 g/g creatinine, almond acid [in urine]. Sampling time: at the end of the work shift and at the end of the working week.
No exposure indices known.	
Toluene	Government regulation of Czech Republic Limit Values of Biological Exposure Tests (Czech Republic, 9/2015) Biological limit values: 1000 µmol/mmol creatinine, hippuric acid [in urine]. Sampling time: end of the shift.
	Biological limit values: 1600 mg/g, hippuric acid [in urine]. Sampling time: end of the shift.
	Biological limit values: 1.6 µmol/mmol creatinine, o-kresol (after hydrolysis) [in urine]. Sampling time: end of the shift.
	Biological limit values: 1.5 mg/g creatinine, o-kresol (after hydrolysis) [in urine]. Sampling time: end of the shift.
Xylene	Government regulation of Czech Republic Limit Values of Biological Exposure Tests (Czech Republic, 9/2015) [Xylene] Biological limit values: 820 µmol/mmol creatinine, methylhippuric acid [in urine]. Sampling time: end of the shift.
	Biological limit values: 1400 mg/g creatinine, methylhippuric acid [in urine]. Sampling time: end of the shift.
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2-butoxyethyl acetate	Government regulation of Czech Republic Limit Values of
	Biological Exposure Tests (Czech Republic, 9/2015) Biological limit values: 0.17 mmol/mmol creatinine, butoxyacetic
	acid (after hydrolysis) [in urine]. Sampling time: the end of the shift at the end of the week.
	Biological limit values: 200 mg/g creatinine, butoxyacetic acid
	(after hydrolysis) [in urine]. Sampling time: the end of the shift at the end of the week.
Ethylbenzene	Government regulation of Czech Republic Limit Values of
	Biological Exposure Tests (Czech Republic, 9/2015) Biological limit values: 1100 µmol/mmol creatinine, almond acid
	[in urine]. Sampling time: end of the shift. Biological limit values: 1500 mg/g creatinine, almond acid [in
	urine]. Sampling time: end of the shift.
No exposure indices known.	
No exposure indices known.	
No exposure indices known.	
Toluene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020)
	BEI: 500 nmol/l, toluene [in blood]. Sampling time: the morning after the working day.
Xylene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020) [Xylene]
	BEI: 5 mmol/l, methylhippuricacid [in urine]. Sampling time: at the end of the work shift.
Ethylbenzene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020)
	BEI: 5.2 mmol/l, mandelic acid [in urine]. Sampling time: after
No exposure indices known.	work shift at the end of the working week or exposure period.
Toluene	DFG BEI-values list (Germany, 7/2022) Notes: danger from
	<b>percutaneous absorption (see p. 211 and p. 228).</b> BEI: 600 μg/l, toluene [in blood]. Sampling time: immediately after
	exposure. BEI: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time:
	end of exposure or end of shift / for long-term exposures: at the
	end of the shift after several shifts. BEI: 75 μg/l, toluene [in urine]. Sampling time: end of exposure or
	end of shift. TRGS 903 - BEI Values (Germany, 2/2022)
	BEI: 600 μg/l, toluene [in whole blood]. Sampling time:
	immediately after exposure. BEI: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time:
	end of exposure or end of shift; for long-term exposures: at the end
	of shift after several shifts. BEI: 75 µg/l, toluene [in urine]. Sampling time: end of exposure or
	end of shift.
Xylene	DFG BEI-values list (Germany, 7/2022) [Xylene (all isomers)] Notes: danger from percutaneous absorption (see p. 211 and
	<b>p. 228).</b> BEI: 2000 mg/l, methylhippuric acid (toluric acid) (all isomers) [in
	urine]. Sampling time: end of exposure or end of shift.
	TRGS 903 - BEI Values (Germany, 2/2022) [Xylene (all isomers)] BEI: 2000 mg/l, methylhippuric acid [in urine]. Sampling time: end of exposure or end of shift.
2-butoxyethyl acetate	DFG BEI-values list (Germany, 7/2022) Notes: danger from
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<b>SECTION 8: Exposure</b>	controls/	personal protection
		percutaneous absorption (see p. 211 and p. 228).BEI: 150 mg/g creatinine, butoxyacetic acid (after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift / for long- term exposures: at the end of the shift after several shifts.TRGS 903 - BEI Values (Germany, 2/2022) BEI: 150 mg/g, butoxy acetic acid (after hydrolysis) [in urine].Sampling time: end of exposure or end of shift; for long- term exposures: at the end of shift after several shifts.
Ethylbenzene		DFG BEI-values list (Germany, 7/2022) Notes: danger from percutaneous absorption (see p. 211 and p. 228). BEI: 250 mg/g creatinine, mandelic acid plus phenyl glyoxylic acid [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2022) BEI: 250 mg/g creatinine, mandelic acid plus phenylglyoxylic acid [in urine]. Sampling time: end of exposure or end of shift.
No exposure indices known.		
Toluene		<b>5/2020. (II. 6.) ITM Decree (Hungary, 12/2022)</b> BEI: 1 mg/g creatinine, o-cresol [in urine]. Sampling time: at the end of the shift. BEI: 1 μmol/mmol creatinine, o-cresol [in urine]. Sampling time: at the end of the shift.
Xylene		<b>5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) [xylene]</b> BEI: 1500 mg/g creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the shift. BEI: 860 μmol/mmol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the shift.
Ethylbenzene		<b>5/2020. (II. 6.) ITM Decree (Hungary, 12/2022)</b> BEI: 1500 mg/g creatinine, mandelic acid [in urine]. Sampling time: at the end of the working week; at the end of the shift. BEI: 1110 μmol/mmol creatinine, mandelic acid [in urine]. Sampling time: at the end of the working week; at the end of the shift.
No exposure indices known.		
Toluene		NAOSH (Ireland, 1/2011) BMGV: 0.3 mg/g creatinine, o-cresol [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases. BMGV: 0.03 mg/l, toluene [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases. BMGV: 0.02 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek.
Xylene		NAOSH (Ireland, 1/2011) [Xylene] BMGV: 1.5 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases.
Ethylbenzene		<ul> <li>NAOSH (Ireland, 1/2011)</li> <li>BMGV: Semi-quantitative, the biological analyte is an indicator of exposure to the substance but the quantitative interpretation of the measurement is ambiguous. These analytes should be used as a screening test if a quantitative test is not practical; or as a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question., ethylbenzene [in endexhaled air]. Sampling time: not critical.</li> <li>BMGV: 0.7 g/g creatinine [Semi-quantitative, the biological analyte is an indicator of exposure to the substance but the quantitative interpretation of the measurement is ambiguous. These analytes should be used as a screening test if a quantitative test is not specific and the origin of the substance but the quantitative interpretation of the measurement is ambiguous.</li> </ul>
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	mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift at end of workweek.
No exposure indices known.	
Toluene	Minister Cabinet Regulations No.325 - BEI (Latvia, 7/2018) BEI: 0.05 mg/l, toluene [in blood]. BEI: 1.6 g/g creatinine, hippuric acid [in urine]. Sampling time: en of the shift.
No exposure indices known.	
Toluene	Portuguese Institute of Quality (Portugal, 11/2014) BEI: 0.3 mg/g creatinine, o-cresol [in urine]. Sampling time: end of shift. BEI: 0.03 mg/l, toluene [in urine]. Sampling time: end of shift. BEI: 0.02 mg/l, toluene [in blood]. Sampling time: end of shift at the end of the workweek.
Xylene	<b>Portuguese Institute of Quality (Portugal, 11/2014) [Xylenes]</b> BEI: 1.5 g/g creatinine, (o, m, p) -methyl-boronic acids [in urine]. Sampling time: end of shift.
Ethylbenzene	<b>Portuguese Institute of Quality (Portugal, 11/2014)</b> BEI: 0.7 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
Toluene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020) OBLV: 3 mg/l, o-cresol [in urine]. Sampling time: end of shift. OBLV: 2 g/l, hippuric acid [in urine]. Sampling time: end of shift.
Xylene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020) [Xylene] OBLV: 3 g/l, methylhippuric acid [in urine]. Sampling time: end of shift.
Ethylbenzene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020) OBLV: 1.5 g/g creatinine, mandelic acid [in urine]. Sampling time end of the week.
Toluene	Government regulation SR c. 355/2006 (Slovakia, 9/2020) BLV: 1010 μmol/mmol creatinine, hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.08 μmol/mmol creatinine, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1600 mg/g creatinine, hippuric acid [in urine]. Sampling time at the end of exposure or work shift. BLV: 1.03 mg/g creatinine, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1.3399 μmol/l, hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 13399 μmol/l, hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 14.3 μmol/l, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 6517 nmol/l, toluene [in blood]. Sampling time: at the end of exposure or work shift.

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SECTION 8: Exposure of	controls/j	personal protection
		BLV: 2401 mg/l, hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 600 μg/l, toluene [in blood]. Sampling time: at the end of exposure or work shift.
Xylene		Government regulation SR c. 355/2006 (Slovakia, 9/2020) [xylene, all isomers] BLV: 781 µmol/mmol creatinine, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1334 mg/g creatinine, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 10355 µmol/l, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 14.6 µmol/l, xylene [in blood]. Sampling time: at the end of exposure or work shift. BLV: 2000 mg/l, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, xylene [in blood]. Sampling time: at the end of exposure or work shift.
Ethylbenzene		<ul> <li>Government regulation SR c. 355/2006 (Slovakia, 9/2020)</li> <li>BLV: 799 μmol/mmol creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 7.44 μmol/mmol creatinine, 2 or 4-etylfenol [in urine].</li> <li>Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 1067 mg/g creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 1067 mg/g creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 8.03 mg/g creatinine, 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 10590 µmol/l, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 98.6 µmol/l, 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 1600 mg/l, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> <li>BLV: 12 mg/l, 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.</li> </ul>
Toluene		Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021) BAT: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time: at the end of the work shift, at long-term exposure: at the end of the work shift after several consecutive workdays. BAT: 600 µg/l, toluene [in blood]. Sampling time: immediately after exposure. BAT: 75 µg/l, toluene [in urine]. Sampling time: at the end of the work shift.
Xylene		Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021) [xylene (all isomers)] BAT: 2 g/l, methylhippuric acid (all isomers) [in urine]. Sampling
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2-butoxyethyl acetate       Regulation on protection of workers from the risks related 1         2-butoxyethyl acetate       Regulation on protection of workers from the risks related 1         Ethylbenzene       Regulation on protection of workers from the risks related 1         exposure to chemical substances at work (Slovenia, 5/2021)         BAT: 150 mgg creatinine, mandelic acid and phenydgyoxylic a         Toluene       Regulation on protection of workers from the risks related 1         workdays.       National institute of occupational safety and health (Spain, 4/2022)         VLB: 0.05 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek.         VLB: 0.06 mg/l, toluene [in urine]. Sampling time: end of shift.         Xylene       National institute of occupational safety and health (Spain, 4/2022)         VLB: 0.08 mg/l, toluene [in urine]. Sampling time: end of shift.         Xylene       National institute of occupational safety and health (Spain, 4/2022)         VLB: 100 mg/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         Toluene       SUVA (Switzerland, 1/2023)         VLB: 100 mg/g creatinine, sum of mandelic acid and acid and phenydyloxylic acid [in urine]. Sampling time: end of workeek.         No exposure indices known.       Toluene         SUVA (Switzerland, 1/2023)       Sulf (Sylinea)         VLB: 100 mg/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposu	ECTION 8: Exposure cont	time: at the end of the work shift.
exposure to chemical substances at work (Slovenia, 5221)           BAT: 150 mgg creatinine, butoxyacetic acid (after hydrolysis)           unnel, Sampling time: at the end of the work shift, at long-term exposure: at the end of the work shift, at long-term exposure: at the end of the work shift, at long-term exposure: at the end of the work shift, at long-term exposure: at the end of the work (Slovenia, 5/2021)           BAT: 150 mgg creatinine, mandelic acid and phenydgloxylic a line urine). Sampling time: at the end of the work shift.           Toluene         National institute of occupational safety and health (Spain, 4/2022)           VLB: 0.06 mg/l, toluene [in urine]. Sampling time: end of shift.           Xylene         National institute of occupational safety and health (Spain, 4/2022)           VLB: 0.08 mg/l, toluene [in urine]. Sampling time: end of shift.           Xylene         National institute of occupational safety and health (Spain, 4/2022)           VLB: 1.28 greathine, methylhippuric acids [in urine]. Sampling time: end of shift.           Toluene         SUVA (Switzerland, 1/2023)           No exposure indices known.         Toluene           Toluene         SUVA (Switzerland, 1/2023)           SUVA (Switzerland, 1/2023)         Supressure or after working hours. In case of long-term exposure: after more than one shift.           BEI: 2 (g) creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case long-term exposure: after more than one shift.           BEI: 2 (g) cre		time: at the end of the work shift.
Exposure to chemical substances at work (Slovenia, 5/2021)BAT: 250 mg/g creatinine, mandelic acid and phenylgiyoxylic a (in urine). Sampling time: at the end of the work shift.TolueneNational institute of occupational safety and health (Spain, 4/2022)VLB: 0.05 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek.VLB: 0.6 mg/l creatinine, c-cresol [in urine]. Sampling time: end of shift.XyleneNational institute of occupational safety and health (Spain, 4/2022) (Yulenes)VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.EthylbenzeneNational institute of occupational safety and health (Spain, 4/2022) (Yulenes)VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.No exposure indices known.SUVA (Switzerland, 1/2023) BEI: 20 gr creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of lor term exposure: after more than one shift. BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of lorg-term exposure: after more than one shift. BEI: 0.5 mg/l, occresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 6.00 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 6.00 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 55 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 75 µg/l, toluene [in blood]	2-butoxyethyl acetate	exposure: at the end of the work shift after several consecutive
4/2022)       VLB: 0.05 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek.         VLB: 0.6 mg/g creatinine, -o-cresol [in urine]. Sampling time: end of shift.         Xylene       National institute of occupational safety and health (Spain, 4/2022) [Xylenes]         VLB: 0.0 mg/l, toluene [in urine]. Sampling time: end of shift.         Xylene       National institute of occupational safety and health (Spain, 4/2022) [Xylenes]         VLB: 700 mg/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         No exposure indices known.         Toluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours.         SUVA (Switzerland, 1/2023)         BEI: 0.50 ug/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours.         SUVA (Switzerland, 1/2023)	Ethylbenzene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021) BAT: 250 mg/g creatinine, mandelic acid and phenylglyoxylic aci [in urine]. Sampling time: at the end of the work shift.
shift of workweek.       VLB: 0.6 mg/g creatinine, o-cresol [in urine]. Sampling time: en of shift.         Xylene       National institute of occupational safety and health (Spain, 4/2022) [Xylenes]         VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         Ethylbenzene       National institute of occupational safety and health (Spain, 4/2022) [Xylenes]         VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         No exposure indices known.       National institute of occupational safety and health (Spain, 4/2022)         VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.         No exposure indices known.       SUVA (Switzerland, 1/2023)         Toluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 0.50 mg/d, rocreaol [in urine]. Sampling time: immediately after exposure or after working hours.         Vglene       SUVA (Switzerland, 1/2023) [Xylene, all isomers]         BEI: 600 µg/d, holene [in blood]. Sampling time: immediately after exposure or after working hours.         SUVA (Switzerland, 1/2023) [Xylene, all isomers]	Toluene	4/2022)
of shift.       VLB: 0.08 mg/l, toluene [in urine]. Sampling time: end of shift.         Xylene       National institute of occupational safety and health (Spain, 4/2022) [Xylenes]         VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         National institute of occupational safety and health (Spain, 4/2022)         VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         No exposure indices known.         Toluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 1.2 G mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 0.5 mg/l, co-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.0 mg/l, toluene [in inbod]. Sampling time: immediately after exposure or after working hours.         BEI: 6.15 mg/l, co-cresol [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 6.2 g/l, upd/l, toluene [in inbod]. Sampling time: immediately after exposure or after working hours.         BEI: 6.48 µmol/l, toluene [in blod]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in inbod]. Sampling time: immediately after exposure or after working hours.<		shift of workweek.
Kylene       National institute of occupational safety and health (Spain, 4/2022) [Xylenes]         VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         National institute of occupational safety and health (Spain, 4/2022)         VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenytglyoxylic acid [in urine]. Sampling time: end of workweek.         No exposure indices known.         Toluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of lor term exposure: after more than one shift.         BEI: 1.2 G mmc/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.4 gumol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.4 gumol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 6.4 gumol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 6.4 gumol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.		of shift.
4/2022) [Xylenes]         VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.         Ethylbenzene         National institute of occupational safety and health (Spain, 4/2022)         VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.         No exposure indices known.         Foluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of lon term exposure: after more than one shift.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 648 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 648 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         SUVA (Switzerland, 1/2023) [Xylene, all isomers]         BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 50 µg/g creatinine, 2-butoxy acetic acid (after hydrolisis) urine]. Sampling time: immediately after exposure or after working hours.		VLB: 0.08 mg/l, toluene [in urine]. Sampling time: end of shift.
time: end of shift.         Ethylbenzene         National institute of occupational safety and health (Spain, 4/2022)         VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.         No exposure indices known.         Toluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of lor term exposure: after more than one shift.         BEI: 1.2 Bmol/moot creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.00 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 6.00 µg/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. <td< td=""><td>Kylene</td><td></td></td<>	Kylene	
4/2022)         VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.         Vo exposure indices known.         Toluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure: after more than one shift.         BEI: 1.2 6 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure: after more than one shift.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after more than one shift.         BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after more than one shift.         BEI: 5.6 mg/l, o-cresol [in urine]. Sampling time: immediately after more than one shift.         BEI: 6.20 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.40 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 6.48 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, houlene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, nethyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, nethyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, toluene [in blood]. Sampling time: immediately after exposure or after		VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.         No exposure indices known.         Foluene       SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of lor term exposure: after more than one shift.         BEI: 1.2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 0.5 mg/l, o-cressol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 4.2 gumol/l, o-cressol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.48 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 6.48 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 150 mg/g creatinine, 2-butoxy acetic acid (after hydrolisis) urine]. Sampling time: immediately after exposure or after working hours.         SUVA (Switzerland, 1/2023) <td>Ethylbenzene</td> <td></td>	Ethylbenzene	
SUVA (Switzerland, 1/2023)         BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time:         immediately after exposure or after working hours. In case of lor         term exposure: after more than one shift.         BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time:         immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 4.62 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 6.48 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         SUVA (Switzerland, 1/2023) [Xylene, all isomers]         BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         e-butoxyethyl acetate       SUVA (Switzerland, 1/2023)         BEI: 150 mg/g creatinine		VLB: 700 mg/g creatinine, sum of mandelic acid and acid and
BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time:         immediately after exposure or after working hours. In case of lor         term exposure: after more than one shift.         BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time:         immediately after exposure or after working hours. In case long-term exposure: after more than one shift.         BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         BEI: 6.02 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 5.648 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 75 µg/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.         BEI: 2 gl, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.         SUVA (Switzerland, 1/2023) [Xylene, all isomers]         BEI: 2 gl, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.	No exposure indices known.	
BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time:         immediately after exposure or after working hours.         2-butoxyethyl acetate       SUVA (Switzerland, 1/2023)         BEI: 150 mg/g creatinine, 2-butoxy acetic acid (after hydrolisis)         urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.         Ethylbenzene       SUVA (Switzerland, 1/2023)         BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid		<ul> <li>BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of lon term exposure: after more than one shift.</li> <li>BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.</li> <li>BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.</li> <li>BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift.</li> <li>BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: immediately after exposure: after more than one shift.</li> <li>BEI: 600 µg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.</li> <li>BEI: 6.48 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours.</li> <li>BEI: 75 µg/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.</li> </ul>
BEI: 150 mg/g creatinine, 2-butoxy acetic acid (after hydrolisis) urine]. Sampling time: immediately after exposure or after workin hours. In case of long-term exposure: after more than one shift.         Ethylbenzene       SUVA (Switzerland, 1/2023)         BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid	Xylene	BEI: 2 g/I, methyl hippuric acid [in urine]. Sampling time:
BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid	2-butoxyethyl acetate	BEI: 150 mg/g creatinine, 2-butoxy acetic acid (after hydrolisis) urine]. Sampling time: immediately after exposure or after workin
	Ethylbenzene	<b>SUVA (Switzerland, 1/2023)</b> BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid [ urine]. Sampling time: immediately after exposure or after workin

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SECTION 8: Exposur	controls/personal protection
Xylene	hours. EH40/2005 BMGVs (United Kingdom (UK), 8/2018) [Xylene, o-, m-, p- or mixed isomers] BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. Sampling time: post shift.
Recommended monitoring procedures	Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be

required.

## **DNELs/DMELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
n-Butyl acetate	DNEL	Short term Oral	2 mg/kg	General	Systemic
			bw/day	population	-
	DNEL	Long term Oral	2 mg/kg	General	Systemic
	DITE	Long tonn oran	bw/day	population	oyotonno
	DNEL	Short term Dermal	6 mg/kg	General	Systemic
	DNLL		bw/day	population	Systemic
					Quanta and a
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term	35.7 mg/m <sup>3</sup>	General	Local
		Inhalation	_	population	
	DNEL	Short term	300 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Short term	300 mg/m <sup>3</sup>	General	Systemic
	DINCL	Inhalation	500 mg/m	population	Oysternic
			200 m m/m 3		
	DNEL	Long term	300 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Short term	600 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Short term	600 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	Ū,		
	DNEL	Long term Dermal	3.4 mg/kg	General	Systemic
	DITLE	Long tonin Donnia	bw/day	population	Cyclonno
	DNEL	Long term Dermal		Workers	Systemic
	DINEL	Long term Derma	7 mg/kg	WUIKEIS	Systemic
		1	bw/day	0	
	DNEL	Long term	12 mg/m³	General	Systemic
		Inhalation		population	
	DNEL	Long term	48 mg/m³	Workers	Systemic
		Inhalation			
Ethyl acetate	DNEL	Long term Oral	4.5 mg/kg	General	Systemic
		Ū	bw/day	population	
	DNEL	Long term Dermal	37 mg/kg	General	Systemic
	DITE	Long toni Donia	bw/day	population	oyotonno
	DNEL	Long term Dermal	63 mg/kg	Workers	Systemic
		Long term Derma	bw/day	WOIKEI3	Oysternic
	DNEL	Long term	367 mg/m <sup>3</sup>	General	Local
		Inhalation	•••	population	
	DNEL	Long term	367 mg/m <sup>3</sup>	General	Systemic
	DNLL		507 mg/m		Oysternic
		Inhalation	724 mag/mg3	population	
	DNEL	Short term	734 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Short term	734 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term	734 mg/m <sup>3</sup>	Workers	Local
		Inhalation	L Č		
	DNEL	Long term	734 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
	I		1		1

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: No previous validation

	DNEL	Short term	1468 mg/	Workers	Local
	DINEL	Inhalation	m <sup>3</sup>	VUIKEIS	LUCAI
	DNEL	Short term	1468 mg/	Workers	Systemic
	DITE	Inhalation	m <sup>3</sup>	<b>Wontere</b>	Cyclonno
Toluene	DNEL	Long term Oral	8.13 mg/	General	Systemic
			kg bw/day	population	- <b>j</b>
	DNEL	Long term	56.5 mg/m <sup>3</sup>	General	Local
		Inhalation	Ũ	population	
	DNEL	Long term	56.5 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term	192 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Long term	192 mg/m³	Workers	Systemic
	DNE	Inhalation	000 //		0
	DNEL	Long term Dermal	226 mg/kg	General	Systemic
		Chart to was	bw/day	population	
	DNEL	Short term Inhalation	226 mg/m <sup>3</sup>	General	Local
	DNEL	Short term	226 mg/m <sup>3</sup>	population General	Systemic
	DINCL	Inhalation	220 mg/m	population	Systemic
	DNEL	Long term Dermal	384 mg/kg	Workers	Systemic
	DITE	Long tonin Donna	bw/day	W official	Cyclonno
	DNEL	Short term	384 mg/m <sup>3</sup>	Workers	Local
		Inhalation	<u>-</u>		
	DNEL	Short term	384 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	Ũ		
Xylene	DNEL	Long term	65.3 mg/m <sup>3</sup>	General	Local
		Inhalation	_	population	
	DNEL	Short term	260 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Short term	260 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term	221 mg/m <sup>3</sup>	Workers	Local
		Inhalation	10 E m m/	Comercel	Curatamia
	DNEL	Long term Oral	12.5 mg/	General population	Systemic
	DNEL	Long term	kg bw/day 65.3 mg/m³		Systemic
	DINCE	Inhalation	00.0 mg/m	population	Oysternic
	DNEL	Long term Dermal	125 mg/kg	General	Systemic
			bw/day	population	- <b>,</b>
	DNEL	Long term Dermal	212 mg/kg	Workers	Systemic
		U U	bw/day		
	DNEL	Long term	221 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
	DNEL	Short term	442 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Short term	442 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
2-butoxyethyl acetate	DNEL	Long term Oral	8.6 mg/kg	General	Systemic
		Short tarm Oral	bw/day	population	Curatara ia
	DNEL	Short term Oral	36 mg/kg	General	Systemic
	DNEL	Short term Dermal	bw/day 72 mg/kg	population General	Systemic
	DINEL		bw/day	population	Systemic
	DNEL	Long term	80 mg/m <sup>3</sup>	General	Systemic
	DIVLL	Inhalation	oo mg/m	population	Cysterine
	DNEL	Long term Dermal	102 mg/kg	General	Systemic
		5	bw/day	population	5
	DNEL	Short term Dermal	120 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	133 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	Ū		
	DNEL	Long term Dermal	169 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Short term	200 mg/m <sup>3</sup>	General	Local
		Inhalation		population	

	DNEL	Short term	333 mg/m <sup>3</sup>	Workers	Local
	DILL	Inhalation	ooo mg/m	Wontoro	Looui
Ethylbenzene	DNEL	Long term Oral	1.6 mg/kg	General	Systemic
	DILL	Long tonn oran	bw/day	population	Cyclonno
	DNEL	Long term	15 mg/m <sup>3</sup>	General	Systemic
		Inhalation	ro mg/m	population	Cystomic
	DNEL	Long term	77 mg/m³	Workers	Systemic
	DITLE	Inhalation	// mg/m	Wontoro	Cyclonno
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	293 mg/m <sup>3</sup>	Workers	Local
	DMEL	Long term Inhalation	442 mg/m <sup>3</sup>	Workers	Local
	DMEL	Short term Inhalation	884 mg/m³	Workers	Systemic
Methyl methacrylate	DNEL	Long term Oral	8.2 mg/kg	General	Systemic
			bw/day	population	-
	DNEL	Short term	208 mg/m <sup>3</sup>	General	Local
		Inhalation	_	population	
	DNEL	Short term Inhalation	416 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Dermal	1.5 mg/cm <sup>2</sup>	General population	Local
	DNEL	Long term Dermal	1.5 mg/cm <sup>2</sup>	General population	Local
	DNEL	Short term Dermal	1.5 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Dermal	1.5 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Dermal	8.2 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	13.67 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	74.3 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	104 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	208 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	348.4 mg/ m³	Workers	Systemic

## PNECs

No PNECs available

8.2 Exposure controls					
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.				
Individual protection measured	res				
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.				
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.				
Skin protection					
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## **SECTION 8: Exposure controls/personal protection**

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately
	estimated.
	Recommendations : Wear suitable gloves tested to EN374.
	< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm
	1 - 4 hours (breakthrough time): 4H / Silver Shield® gloves.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
	Filter type: A
	Filter type (spray application): A P
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Colourless.
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and	:
boiling range	

Ingredient name	°C	°F	Method
Ethyl acetate	77.1	170.8	
Toluene	110.6	231.1	

Flammability	:	Not available.
Lower and upper explosion limit		Lower: 0.8% (xylene) Upper: 11.5% (ethyl acetate)
Flash point	:	Closed cup: -1°C (30.2°F)
Auto-ignition temperature	:	

Ingredient name	°C	°F	Method
2-butoxyethyl acetate	340	644	
n-Butyl acetate	415	779	EU A.15

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## **SECTION 9: Physical and chemical properties**

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Decomposition temperature	1	Not available.
рН	:	Not applicable.
Viscosity	;	Not available.
Solubility(ies)	:	
Not available.		
Solubility in water	:	Not available.
Partition coefficient: n-octanol/ water	:	Not applicable.

#### Vapour pressure

	Va	Vapour Pressure at 20°C		V	Vapour pre		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
Ethyl acetate	81.59163	10.9					
Toluene	23.17	3.1					
Relative density	: Not	available.		·		·	
Density	: 0.9	g/cm³					
Vapour density	: Not	available.					
Explosive properties	: Not available.						
Oxidising properties	: Not available.						
Particle characteristics							
Median particle size	: Not	applicable.					

#### 9.2 Other information

No additional information.

## **SECTION 10: Stability and reactivity**

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	:	Reactive or incompatible with the following materials: oxidising materials
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity

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# SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
n-Butyl acetate	LC50 Inhalation Vapour	Rat	0.74 mg/l	4 hours
-	LD50 Dermal	Rabbit	14112 mg/kg	-
	LD50 Oral	Rat	10760 mg/kg	-
Ethyl acetate	LD50 Oral	Rat	5620 mg/kg	-
Toluene	LC50 Inhalation Vapour	Rat	49 g/m³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
Xylene	LC50 Inhalation Vapour	Rat	21.7 mg/l	4 hours
-	LD50 Oral	Rat	4300 mg/kg	-
2-butoxyethyl acetate	LD50 Dermal	Rabbit	1500 mg/kg	-
	LD50 Oral	Rat	2400 mg/kg	-
Ethylbenzene	LC50 Inhalation Dusts and mists	Rat	29000 mg/l	4 hours
	LD50 Dermal	Rabbit	15400 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
Methyl methacrylate	LC50 Inhalation Vapour	Rat	78000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	7872 mg/kg	-

## Conclusion/Summary

: Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

Route	ATE value
	11213.45 mg/kg 90.53 mg/l

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation	
n-Butyl acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-	
				mg		
Toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes	-	
				100 mg		
	Eyes - Mild irritant	Rabbit	-	870 ug	-	
	Eyes - Severe irritant	Rabbit	-	24 hours 2	-	
				mg		
	Skin - Mild irritant	Pig	-	24 hours 250	-	
				uL		
	Skin - Mild irritant	Rabbit	-	435 mg	-	
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-	
				mg		
	Skin - Moderate irritant	Rabbit	-	500 mg	-	
Xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-	
	Eyes - Severe irritant	Rabbit	-	24 hours 5	-	
		_ <i>.</i>		mg		
	Skin - Mild irritant	Rat	-	8 hours 60 uL	-	
	Skin - Moderate irritant	Rabbit	-	100 %	-	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-	
	Europ Milel inside ad	Dabbit		mg		
2-butoxyethyl acetate	Eyes - Mild irritant	Rabbit	-	24 hours 500	-	
	Skin - Mild irritant	Rabbit		mg		
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 mg 500 mg	-	
Ethylbenzene	Skin - Mild irritant	Rabbit	-	24 hours 15	-	
	Skill - Mild Initalit	Rabbit	-	mg	-	
				ing		
Conclusion/Summary	: Causes skin irritation.					
<u>Sensitisation</u>						
Conclusion/Summary	: May cause an allergic skir	reaction.				
	·					
<u>Autagenicity</u>						
Conclusion/Summary	: Based on available data, t	he classification c	riteria are	not met.		
Carcinogenicity						
Conclusion/Summary	: Based on available data, the classification criteria are not met.					
y and a short out that y				not mot.		

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## **SECTION 11: Toxicological information**

#### Reproductive toxicity

#### **Conclusion/Summary**

: Based on available data, the classification criteria are not met.

#### **Teratogenicity**

**Conclusion/Summary** : Suspected of damaging the unborn child.

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
n-Butyl acetate	Category 3	-	Narcotic effects
Ethyl acetate	Category 3	-	Narcotic effects
Toluene	Category 3	-	Narcotic effects
Xylene	Category 3	-	Respiratory tract irritation
Methyl methacrylate	Category 3	-	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Toluene	Category 2	-	-
Xylene	Category 2	oral, inhalation	-
Ethylbenzene	Category 2	oral, inhalation	hearing organs

#### **Aspiration hazard**

Product/ingredient name	Result	
Toluene	ASPIRATION HAZARD - Category 1	
Xylene	ASPIRATION HAZARD - Category 1	
Ethylbenzene	ASPIRATION HAZARD - Category 1	

#### Information on likely routes : Not available.

#### of exposure

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: Can cause central nervous system (CNS) depression.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations

SECTION 11: Toxico	lo	gical information
Ingestion	:	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Delayed and immediate effect	<u>ts:</u>	as well as chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects	1	Not available.
Potential delayed effects	1	Not available.
<u>Long term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	ect	<u>s</u>
Not available.		
Conclusion/Summary	:	Not available.
General	:	May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	1	Suspected of damaging the unborn child.

#### **11.2 Information on other hazards**

#### 11.2.1 Endocrine disrupting properties

Not available.

#### **11.2.2 Other information**

Not available.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
n-Butyl acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Ethyl acetate	Acute EC50 2500000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 750000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 154000 µg/l Fresh water	Daphnia - <i>Daphnia cucullata</i>	48 hours
	Acute LC50 212500 µg/l Fresh water	Fish - Heteropneustes fossilis	96 hours
	Chronic NOEC 12 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
	Chronic NOEC 75.6 mg/l Fresh water	Fish - Pimephales promelas -	32 days
		Embryo	
Toluene	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella	72 hours
		subcapitata	
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 5.56 mg/l Fresh water	, Daphnia - <i>Daphnia magna</i> -	48 hours
	<b>J</b>	Neonate	
	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch -	96 hours
		Fry	
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
Methyl methacrylate	Acute LC50 130000 µg/l Fresh water	Fish - <i>Pimephales promelas</i> - Adult	96 hours
Conclusion/Summary	: Based on available data, the classification	ation criteria are not met.	

#### 12.2 Persistence and degradability

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## **SECTION 12: Ecological information**

**Conclusion/Summary** 

: This product has not been tested for biodegradation.

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-Butyl acetate	2.3	-	Low
Ethyl acetate	0.68	30	Low
Toluene	2.73	90	Low
Xylene	3.12	8.1 to 25.9	Low
2-butoxyethyl acetate	1.51	-	Low
Ethylbenzene	3.6	-	Low
Methyl methacrylate	1.38	-	Low

#### 12.4 Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	
Mobility	: Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

### **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
European waste catalogue (EWC)	: 08.01.11
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information				
	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1993	UN1993	UN1993	UN1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (n-butyl acetate, ethyl acetate)	FLAMMABLE LIQUID, N.O.S. (n-butyl acetate, ethyl acetate)	FLAMMABLE LIQUID, N.O.S. (ethyl acetate, xylene)	FLAMMABLE LIQUID, N.O.S. (ethyl acetate, xylene)
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	11	II	II	II
14.5 Environmental hazards	No.	Yes.	No.	No.
Additional informa ADR/RID ADN	: <u>Special pro Tunnel co</u> : The produc transported	ovisions 640 (C) de (D/E) t is only regulated as an l in tank vessels. ovisions 640 (C)	environmentally hazardo	ous substance when
14.6 Special precau user	upright and	within user's premises I secure. Ensure that per f an accident or spillage.	sons transporting the pro	
14.7 Maritime trans bulk according to II instruments		nt/applicable due to natur	e of the product.	
SECTION 15:	Regulatory inform	nation		

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

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Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

#### <u>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous</u> <u>substances, mixtures and articles</u>

Product/ingredient name	%	Designation [Usage]
ALPOLAN DUOFINISH 5461-80	≥90	3
Toluene	≥10 - ≤25	48

#### Labelling

Other EU regulations

Industrial emissions : Not listed (integrated pollution prevention and control) -Air

: No previous validation

#### SECTION 15: Regulatory information : Not listed Industrial emissions (integrated pollution prevention and control) -Water **Explosive precursors** : Not applicable. Ozone depleting substances (1005/2009/EU) Not listed. Prior Informed Consent (PIC) (649/2012/EU) Not listed. Persistent Organic Pollutants Not listed. **Seveso Directive** This product is controlled under the Seveso Directive. **Danger criteria** Category P5c National regulations **Austria VbF class** : AI Very dangerous flammable liquid. Limitation of the use of : Permitted. organic solvents **Czech Republic** Storage code : 1 **Denmark Danish fire class** : 1-1 Executive Order No. 1795/2015 Annex I Section B Ingredient name Annex I Section A Ethylbenzene Listed MAL-code : 4-3 **Protection based on MAL** According to the regulations on work involving coded products, the following τ. stipulations apply to the use of personal protective equipment: General: Gloves must be worn for all work that may result in soiling. Apron/ coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required. In all spraying operations in which there is return spray, respiratory protection with air supply and arm protectors/apron/coveralls/protective clothing must be worn as appropriate or as instructed. MAL-code: 4-3 **Application:** When spraying in new\* booths if the operator is outside the spray zone. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin. - Air-supplied half mask and eye protection must be worn. When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing\* facility type, if the operator is inside the spray zone.

# SECTION 15: Regulatory information

		- Air-supplied half mask, coveralls and eye	e protection must be worn.
		During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents.	
		- Air-supplied full mask and coveralls mus	st be worn.
		When spraying in existing* spray booths, if the operator is outside the spray zone.	
		- Air-supplied full mask, arm protectors and apron must be worn.	
		During non-atomising spraying in existing* facilities of the combined-cabin, spray- cabin and spray-booth type where the operator is working inside the spray zone.	
		- Air-supplied full mask must be worn.	
		During all spraying where atomisation occ operator is inside the spray zone and duri or booth.	curs in cabins or spray booths where the ing spraying outside a closed facility, cabin
		- Air-supplied full mask, coveralls and hoc	od must be worn.
		<b>Drying:</b> Items for drying/drying ovens that	at are temporarily placed on such things as
		rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.	
		<b>Polishing:</b> When polishing treated surface When machine grinding, eye protection m worn.	ces, a mask with dust filter must be worn. nust be worn. Work gloves must always be
		Caution The regulations contain other st	ipulations in addition to the above.
		*See Regulations.	
Low-boiling liquids	:	This product contains low-boiling point liquids. Any respiratory protective equipmen should be air-fed.	
Restrictions on use	:	Not to be used by professional users belo Working Environment Authorities Executiv	w 18 years of age. See the National ve Order regarding Young People At Work
List of undesirable substances	:	Listed	5
Carcinogenic waste	:	Waste containers must be labeled: Contains a substance or substances regulated by Danish working environment legislation on cancer risks.	
<u>Finland</u>			
France Social Security Code		n-Butyl acetate	RG 84
Social Security Code, Articles L 461-1 to L 461-7	1	n-Butyl acetate Ethyl acetate	RG 84
		Toluene Xylene	RG 4bis, RG 84 RG 4bis, RG 84
		2-butoxyethyl acetate	RG 84
		Ethylbenzene Methyl methacrylate	RG 84 RG 82
Reinforced medical surveillance	:	Act of July 11, 1977 determining the list of medical surveillance: not applicable	
Germany			
Germany		3	
Storage class (TRGS 510)	4	5	
Storage class (TRGS 510) Hazardous incident ordina	<u>nc</u>		nce.

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## **SECTION 15: Regulatory information**

Category	Reference number
P5c	1.2.5.3

Hazard class for water	: 3
Technical instruction on air quality control	: TA-Luft Number 5.2.5: 84.7% TA-Luft Class I - Number 5.2.5: 12.5%
<u>Italy</u>	
D.Lgs. 152/06	: Not determined.

#### Netherlands

Ministry of Social Affairs and Employment (SZW) - Carcinogenic substances and processes, mutagenic or reprotoxic substances

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development	Harmful via breastfeeding
tolueen xylene	-	-	-	Development 2 Development 2	-
Water Discharge Policy (ABM)			organisms, may hav tamination effort: A		dous effects in
<u>Norway</u> <u>Sweden</u>					
Flammable liquid class (SRVFS 2005:10)	: 1				
Switzerland VOC content International regulations	: VOC (w/w	ı): 73.5%			

### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

# 15.2 Chemical safety assessment

: This product contains substances for which Chemical Safety Assessments are still required.

## **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available</li> </ul>					
	PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative					
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### **SECTION 16: Other information**

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 2, H225	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 2, H361d	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method

#### Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

#### Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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#### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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