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

SAFETY DATA SHEET



TEKNOLAC EFFECT 164 - All variants

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

1.1 Product identifier Product name

: FEKNOLAC EFFECT 164 - All variants

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

e-mail address of person : Prod-safe@teknos 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]

Mam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 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
- : F225 Highly flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
 - 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

SECTION 2: Hazarus		
Prevention	:	 P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe vapour.
Response	:	P314 - Get medical advice/attention if you feel unwell.
Storage	:	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	1	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	Contains: Xylene and Toluene
Supplemental label elements	1	Contains neodecanoic acid, cobalt salt. May produce an allergic reaction.
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 not result in classification	:	None known.

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
¥ylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥25 - ≤45	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]
Toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≥10 - ≤15	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]
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤9.8	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]
Propan-2-ol	REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0	≤3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	-	[1]

SECTION 3: Comp					
Naphtha (petroleum), hydrotreated heavy	REACH #: 01-2119457273-39 EC: 265-150-3 CAS: 64742-48-9 Index: 649-327-00-6	≤3	Asp. Tox. 1, H304 EUH066	EUH066: C ≥ 50%	[1]
neodecanoic acid, cobalt salt	REACH #: 01-2119970733-31 EC: 248-373-0 CAS: 27253-31-2	≤0.3	Acute Tox. 4, H302 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 500 mg/kg	[1]

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

4.1 Description of first aid n	neasures
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.
Skin contact	: Ffush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
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. 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.
4.2 Most important symptor	ns and effects, both acute and delayed
Over-exposure signs/symp	<u>ptoms</u>
Evo contact	Adverse symptoms may include the following:

Eye contact	: Adverse symptoms may include the following:
	pain or irritation
	watering
	redness

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SECTION 4: First a	aid measures
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing 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 imm	ediate medical attention and special treatment needed
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Spacific treatments	No specific treatment

	a b c c		
Specific treatments	: No specific treatment.		
	quantities have been ingested or inhaled.	-	-

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.	
Unsuitable extinguishing media	: Do not use water jet.	
5.2 Special hazards arising	om the substance or mixture	
Hazards from the substance or mixture	: Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.	
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/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 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.	if
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 fo chemical incidents.	۶r

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.

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SECTION 6: Accidental release measures

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

Protective measures	: Put on appropriate personal protective equipment (see Section 8). 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. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.
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

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S	SECTION 7: Handling and storage		
	Category	Notification and MAPP Safety report threshold	eshold
	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
Kylene	Regulation on Limit Values - MAC (Austria, 4/2021). [Xylenes (all isomers)] PEAK: 442 mg/m ³ , 4 times per shift, 15 minutes. TWA: 50 ppm 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 221 mg/m ³ 8 hours.
Toluene	Regulation on Limit Values - MAC (Austria, 4/2021). Absorbed
	through skin.
	TWA: 50 ppm 8 hours.
	TWA: 190 mg/m ³ 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
Ethylhonzono	PEAK: 380 mg/m ³ , 4 times per shift, 15 minutes.
Ethylbenzene	Regulation on Limit Values - MAC (Austria, 4/2021). Absorbed through skin.
	TWA: 100 ppm 8 hours.
	TWA: 440 mg/m ³ 8 hours.
	CEIL: 200 ppm, 8 times per shift, 5 minutes.
	CEIL: 880 mg/m ³ , 8 times per shift, 5 minutes.
Propan-2-ol	Regulation on Limit Values - MAC (Austria, 4/2021).
	TWA: 200 ppm 8 hours.
	TWA: 500 mg/m ³ 8 hours.
	PEAK: 800 ppm, 4 times per shift, 15 minutes. PEAK: 2000 mg/m³, 4 times per shift, 15 minutes.
neodecanoic acid, cobalt salt	Regulation on Limit Values - Technical Guidance Values
	(Austria, 4/2021). [Cobalt and its compounds] Absorbed
	through skin. Skin sensitiser. Inhalation sensitiser.
	TWA: 0.1 mg/m ³ , (measured as Co) 8 hours. Form: Inhalable
	fraction
	PEAK: 0.4 mg/m ³ , (measured as Co), 4 times per shift, 15
	minutes. Form: Inhalable fraction
Xylene	Limit values (Belgium, 5/2021). [Xylene] Absorbed through
	skin.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours. STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
Toluene	Limit values (Belgium, 5/2021). Absorbed through skin.
	TWA: 20 ppm 8 hours.
	TWA: 77 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
Ethylhanzana	STEL: 384 mg/m ³ 15 minutes.
Ethylbenzene	Limit values (Belgium, 5/2021). Absorbed through skin. TWA: 20 ppm 8 hours.
	TWA: 20 ppm o hours. TWA: 87 mg/m ³ 8 hours.

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	STEL: 125 ppm 15 minutes.
	STEL: 551 mg/m ³ 15 minutes.
Propan-2-ol	Limit values (Belgium, 5/2021).
	TWA: 200 ppm 8 hours. TWA: 500 mg/m ³ 8 hours.
	STEL: 400 ppm 15 minutes.
	STEL: 1000 mg/m ³ 15 minutes.
Kylene	Ministry of Labour and Social Policy and the Ministry of
A yielle	Health - Ordinance No 13/2003. (Bulgaria, 6/2021). [Xylene
	(mixture of isomers), pure] Absorbed through skin.
	Limit value 8 hours: 221 mg/m ³ 8 hours.
	Limit value 15 min: 442 mg/m³ 15 minutes.
	Limit value 15 min: 100 ppm 15 minutes.
Taluana	Limit value 8 hours: 50 ppm 8 hours.
Foluene	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 ³ 15 minutes.
	Limit value 8 hours: 192 mg/m ³ 8 hours.
	Limit value 15 min: 100 ppm 15 minutes.
	Limit value 8 hours: 50 ppm 8 hours.
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 ³ 8 hours.
	Limit value 15 min: 545 mg/m ³ 15 minutes.
Propan-2-ol	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Limit value 8 hours: 980 mg/m³ 8 hours.
	Limit value 15 min: 1225 mg/m ³ 15 minutes.
neodecanoic acid, cobalt salt	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021). [Cobalt ar
	inorganic compounds (as cobalt)]
	Limit value 8 hours: 0.1 mg/m³, (as cobalt) 8 hours.
Kylene	Ministry of Economy, Labour and Entrepreneurship ELV/
5	STELV (Croatia, 1/2021). [xylene (all isomers)] Absorbed
	through skin.
	STELV: 442 mg/m ³ 15 minutes.
	STELV: 100 ppm 15 minutes.
	ELV: 221 mg/m ³ 8 hours.
	ELV: 50 ppm 8 hours.
Foluene	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). Absorbed through skin. STELV: 384 mg/m ³ 15 minutes.
	STELV: 364 mg/m ² 15 minutes.
	ELV: $192 \text{ mg/m}^3 8 \text{ hours.}$
Ethylbenzene	ELV: 50 ppm 8 hours.
	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). Absorbed through skin.
	STELV: 884 mg/m ³ 15 minutes.
	STELV: 200 ppm 15 minutes.
	ELV: 442 mg/m ³ 8 hours.
	ELV: 100 ppm 8 hours.
Propan-2-ol	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). STELV: 1250 mg/m ³ 15 minutes.
	STELV: 1250 mg/m ^o 15 minutes. STELV: 500 ppm 15 minutes.
	ELV: 999 mg/m ³ 8 hours.
	ELV: 400 ppm 8 hours.
neodecanoic acid, cobalt salt	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). [cobalt and compounds] Skin
	sensitiser. Inhalation sensitiser.
	ELV: 0.1 mg/m³, (as Co) 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 ³ 15 minutes.
		TWA: 50 ppm 8 hours.
	Toluene	TWA: 221 mg/m ³ 8 hours. Department of labour inspection (Cyprus, 7/2021). Absorbed
	loidene	through skin.
		STEL: 100 ppm 15 minutes.
		STEL: 384 mg/m ³ 15 minutes.
		TWA: 50 ppm 8 hours.
		TWA: 192 mg/m ³ 8 hours.
	Ethylbenzene	Department of labour inspection (Cyprus, 7/2021). Absorbed
		through skin.
		STEL: 884 mg/m ³ 15 minutes.
		TWA: 100 ppm 8 hours.
		TWA: 442 mg/m ³ 8 hours.
		STEL: 200 ppm 15 minutes.
	X ylene	Government regulation of Czech Republic PEL/NPK-P (Czech
	Kylerie	Republic, 10/2022). [xylene, technical mixture of isomers and
		all isomers] Absorbed through skin.
		TWA: 200 mg/m ³ 8 hours.
		TWA: 200 mg/m 0 hours.
		STEL: 400 mg/m ³ 15 minutes.
		STEL: 90.8 ppm 15 minutes.
	Toluene	Government regulation of Czech Republic PEL/NPK-P (Czech
		Republic, 10/2022). Absorbed through skin.
		TWA: 192 mg/m ³ 8 hours.
		TWA: 50.112 ppm 8 hours.
		STEL: 384 mg/m ³ 15 minutes.
		STEL: 100.224 ppm 15 minutes.
	Ethylbenzene	Government regulation of Czech Republic PEL/NPK-P (Czech
	,	Republic, 10/2022). Absorbed through skin.
		TWA: 200 mg/m ³ 8 hours.
		TWA: 45.4 ppm 8 hours.
		STEL: 500 mg/m ³ 15 minutes.
		STEL: 113.5 ppm 15 minutes.
	Propan-2-ol	Government regulation of Czech Republic PEL/NPK-P (Czech
		Republic, 10/2022). Absorbed through skin.
		TWA: 500 mg/m ³ 8 hours.
		TWA: 200 ppm 8 hours.
		STEL: 1000 mg/m ³ 15 minutes.
		STEL: 400 ppm 15 minutes.
	neodecanoic acid, cobalt salt	Government regulation of Czech Republic PEL/NPK-P (Czech
		Republic, 10/2022). [Cobalt and its compounds] Skin
		sensitiser.
		TWA: 0.05 mg/m ³ , (as Co) 8 hours. Form: aerosol, inhalable
		fraction.
		STEL: 0.1 mg/m ³ , (as Co) 15 minutes. Form: aerosol, inhalable
		fraction.
	Xylene	Working Environment Authority (Denmark, 6/2022). [Xylenes,
		all isomers] Absorbed through skin.
		TWA: 25 ppm 8 hours.
		TWA: 109 mg/m ³ 8 hours.
		STEL: 442 mg/m ³ 15 minutes.
	Tabaaa	STEL: 100 ppm 15 minutes.
	Toluene	Working Environment Authority (Denmark, 6/2022). Absorbed
		through skin.
		TWA: 25 ppm 8 hours.
		TWA: 94 mg/m ³ 8 hours.
		STEL: 384 mg/m ³ 15 minutes.
	Ethylbenzene	STEL: 100 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). Absorbed
		through skin. Carcinogen.
D	ate of issue/Date of revision : 17/05/2024	Date of previous issue : 01/11/2023 Version : 9 8/41

Propan-2-ol neodecanoic acid, cobalt salt Kylene Toluene	 TWA: 50 ppm 8 hours. TWA: 217 mg/m³ 8 hours. STEL: 434 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 490 mg/m³ 8 hours. STEL: 980 mg/m³ 15 minutes. STEL: 980 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. STEL: 450 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 200 mg/m³ 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. STEL: 450 mg/m³ 15 minutes. STEL: 450 mg/m³ 8 hours. STEL: 450 ppm 8 hours. STEL: 450 ppm 7 8 hours. STEL: 450 ppm 8 hours. STEL: 450 ppm 7 8 hours. STEL: 450 ppm 8 hours. STEL: 450 ppm 8 hours. STEL: 450 ppm 7 8 hours. STEL: 384 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes.
neodecanoic acid, cobalt salt Kylene Toluene Ethylbenzene	 STEL: 434 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 490 mg/m³ 8 hours. STEL: 980 mg/m³ 15 minutes. STEL: 980 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorganic compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. TWA: 200 mg/m³ 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 50 ppm 8 hours.
neodecanoic acid, cobalt salt Kylene Toluene Ethylbenzene	 Working Environment Authority (Denmark, 6/2022). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 490 mg/m³ 8 hours. STEL: 980 mg/m³ 15 minutes. STEL: 900 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. STEL: 450 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. STEL: 450 mg/m³ 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes.
heodecanoic acid, cobalt salt Kylene Foluene ≣thylbenzene	 through skin. TWA: 200 ppm 8 hours. TWA: 490 mg/m³ 8 hours. STEL: 980 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. STEL: 450 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. STEL: 384 mg/m³ 15 minutes.
ζ γlene Γoluene Ξthylbenzene	 TWA: 200 ppm 8 hours. TWA: 490 mg/m³ 8 hours. STEL: 980 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. STEL: 450 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
ζ γlene Γoluene Ξthylbenzene	 TWA: 490 mg/m³ 8 hours. STEL: 980 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
ζ γlene Γoluene Ξthylbenzene	 STEL: 980 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. STEL: 450 mg/m³ 15 minutes. STEL: 192 mg/m³ 8 hours. TWA: 192 mg/m³ 8 hours. STEL: 384 mg/m³ 15 minutes.
Kylene Foluene Ethylbenzene	 STEL: 400 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 450 mg/m³ 8 hours. STEL: 450 mg/m³ 8 hours. STEL: 192 mg/m³ 8 hours. TWA: 192 mg/m³ 8 hours. STEL: 384 mg/m³ 15 minutes.
ζ γlene Γoluene Ξthylbenzene	 Working Environment Authority (Denmark, 6/2022). [Inorgani compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
ζ γlene Γoluene Ξthylbenzene	 compounds of cobalt] Carcinogen. TWA: 0.01 mg/m³, (calculated as Co) 8 hours. 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
⁻ oluene Ethylbenzene	 TWA: 0.01 mg/m³, (calculated as Co) 8 hours. 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
Toluene Ethylbenzene	 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/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
Toluene Ethylbenzene	 12/2022). [Xylenes] Absorbed through skin. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
thylbenzene	 TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 450 mg/m³ 15 minutes. TWA: 200 mg/m³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes.
thylbenzene	STEL: 100 ppm 15 minutes. STEL: 450 mg/m ³ 15 minutes. TWA: 200 mg/m ³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m ³ 15 minutes.
thylbenzene	STEL: 450 mg/m ³ 15 minutes. TWA: 200 mg/m ³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m ³ 15 minutes.
thylbenzene	TWA: 200 mg/m ³ 8 hours. Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m ³ 15 minutes.
thylbenzene	Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022). Absorbed through skin. TWA: 192 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m ³ 15 minutes.
thylbenzene	12/2022). Absorbed through skin. TWA: 192 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m ³ 15 minutes.
	TWA: 192 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours. STEL: 384 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes
	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022). Absorbed through skin. Skin sensitiser.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	STEL: 884 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
Propan-2-ol	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022).
	TWA: 350 mg/m ³ 8 hours.
	TWA: 150 ppm 8 hours. STEL: 600 mg/m ³ 15 minutes.
	STEL: 250 ppm 15 minutes.
neodecanoic acid, cobalt salt	Occupational exposure limits, Regulation No. 293 (Estonia,
leodecariole acid, cobait sait	12/2022). [Cobalt and inorganic compounds] Skin sensitiser.
	TWA: 0.05 mg/m ³ , (calculated as Co) 8 hours.
(ylong	EU OEL (Europe, 1/2022). [xylene, mixed isomers pure]
(ylene	Absorbed through skin. Notes: list of indicative occupationa
	exposure limit values
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
oluene	EU OEL (Europe, 1/2022). Absorbed through skin. Notes: lis
	of indicative occupational exposure limit values
	TWA: 192 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 384 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
thylbenzene	EU OEL (Europe, 1/2022). Absorbed through skin. Notes: lis
	of indicative occupational exposure limit values
	TWA: 100 ppm 8 hours.
	TWA: 442 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m ³ 15 minutes.
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Xylene	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). [Xylenes] Absorbed through skin.
	STEL: 440 mg/m ³ 15 minutes.
	TWA: 220 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
Toluene	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). Absorbed through skin. Ototoxicant.
	TWA: 25 ppm 8 hours.
	TWA: 81 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 380 mg/m ³ 15 minutes.
Ethylbenzene	Institute of Occupational Health, Ministry of Social Affairs
Eurybenzene	
	(Finland, 10/2021). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 880 mg/m ³ 15 minutes.
Propan-2-ol	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021).
	TWA: 200 ppm 8 hours.
	TWA: 500 mg/m ³ 8 hours.
	STEL: 250 ppm 15 minutes.
	STEL: 620 mg/m ³ 15 minutes.
Naphtha (petroleum), hydrotreated heavy	Institute of Occupational Health, Ministry of Social Affairs
Naphina (peroleani), nyaloireatea neavy	(Finland, 10/2020).
	TWA: 500 mg/m ³ 8 hours.
neodecanoic acid, cobalt salt	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). [Cobalt and its inorganic compounds]
	TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours.
X ylene	Ministry of Labor (France, 10/2022). [xylenes, mixed isomers,
, y.c	pure] Absorbed through skin. Notes: Binding regulatory limit
	values (article R. 4412-149 of the Labor Code)
	•
	STEL: 442 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 221 mg/m³ 8 hours.
	TWA: 50 ppm 8 hours.
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 ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m ³ 15 minutes.
Ethydhanzana	
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 ³ 8 hours.
	STEL: 442 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
Propan-2-ol	Ministry of Labor (France, 10/2022). Notes: Permissible limit
	values (circulars)
	STEL: 400 ppm 15 minutes.
	STEL: 980 mg/m ³ 15 minutes.
Xylene	TRGS 900 OEL (Germany, 6/2022). [xylene] Absorbed through
	skin.
	TWA: 220 mg/m ³ 8 hours.
	PEAK: 440 mg/m ³ 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.
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	PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 220 mg/m ³ 8 hours.
	PEAK: 440 mg/m ³ , 4 times per shift, 15 minutes.
oluene	TRGS 900 OEL (Germany, 6/2022). Absorbed through skin. TWA: 190 mg/m ³ 8 hours.
	PEAK: 380 mg/m ³ 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 ppm, 4 times per shift, 15 minutes.
	TWA: 190 mg/m ³ 8 hours.
Ethylbenzene	PEAK: 380 mg/m ³ , 4 times per shift, 15 minutes. TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.
	TWA: 88 mg/m ³ 8 hours.
	PEAK: 176 mg/m ³ 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, 4 times per shift, 15 minutes.
	PEAK: 176 mg/m ³ , 4 times per shift, 15 minutes.
	TWA: 88 mg/m ³ 8 hours.
Propan-2-ol	TWA: 20 ppm 8 hours. TRGS 900 OEL (Germany, 6/2022).
10pan-2-01	TWA: 500 mg/m ³ 8 hours.
	PEAK: 1000 mg/m ³ 15 minutes.
	TWA: 200 ppm 8 hours.
	PEAK: 400 ppm 15 minutes. DFG MAC-values list (Germany, 7/2022).
	TWA: 200 ppm 8 hours.
	PEAK: 400 ppm, 4 times per shift, 15 minutes.
	TWA: 500 mg/m ³ 8 hours.
lanhtha (natroloum) bydratroated basyy	PEAK: 1000 mg/m ³ , 4 times per shift, 15 minutes.
Naphtha (petroleum), hydrotreated heavy	DFG MAC-values list (Germany, 7/2022). TWA: 50 ppm 8 hours.
	TWA: 300 mg/m ³ 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
and an an id an halt salt	PEAK: 600 mg/m ³ , 4 times per shift, 15 minutes.
eodecanoic acid, cobalt salt	DFG MAC-values list (Germany, 7/2022). [Cobalt and cobalt compounds (inhalable fraction)] Absorbed through skin. S
	sensitiser. Inhalation sensitiser.
ylene	Presidential Decree 307/1986: Occupational exposure limit
-	values (Greece, 9/2021). [Xylenes (all isomers)] Absorbed
	through skin.
	TWA: 100 ppm 8 hours. TWA: 435 mg/m³ 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 650 mg/m ³ 15 minutes.
oluene	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours.
	TWA: 192 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
C thulber zone	STEL: 384 mg/m ³ 15 minutes. Presidential Decree 307/1986: Occupational exposure limit
Ethylbenzene	values (Greece, 9/2021).
	TWA: 100 ppm 8 hours.
	TWA: 435 mg/m ³ 8 hours.
	STEL: 125 ppm 15 minutes.
Propan-2-ol	STEL: 545 mg/m ³ 15 minutes. Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).

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SECTION 8: Exposure controls/personal protection TWA: 400 ppm 8 hours. TWA: 980 mg/m³ 8 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m³ 15 minutes. Presidential Decree 307/1986: Occupational exposure limit neodecanoic acid, cobalt salt values (Greece, 9/2021). [Compounds of cobalt] TWA: 0.1 mg/m³, (as Co) 8 hours. **X**ylene 5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). [xylene, mixture of isomers] Absorbed through skin. TWA: 221 mg/m³ 8 hours. PEAK: 442 mg/m³ 15 minutes. PEAK: 100 ppm 15 minutes. TWA: 50 ppm 8 hours. Toluene 5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed through skin. Skin sensitiser. Inhalation sensitiser. TWA: 192 mg/m³ 8 hours. PEAK: 384 mg/m³ 15 minutes. PEAK: 100 ppm 15 minutes. TWA: 50 ppm 8 hours. Ethylbenzene 5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed through skin. Skin sensitiser. Inhalation sensitiser. TWA: 442 mg/m³ 8 hours. PEAK: 884 mg/m³ 15 minutes. PEAK: 200 ppm 15 minutes. TWA: 100 ppm 8 hours. Propan-2-ol 5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed through skin. Skin sensitiser. Inhalation sensitiser. TWA: 500 mg/m³ 8 hours. PEAK: 1000 mg/m³ 15 minutes. PEAK: 400 ppm 15 minutes. TWA: 200 ppm 8 hours. 5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). [Cobalt and its neodecanoic acid, cobalt salt inorganic compounds] Skin sensitiser. Inhalation sensitiser. TWA: 0.02 mg/m³, (as Co) 8 hours. **X**ylene Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). [xylene, all isomers] Absorbed through skin. STEL: 442 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 109 mg/m³ 8 hours. TWA: 25 ppm 8 hours. Toluene Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). Absorbed through skin. STEL: 188 mg/m³ 15 minutes. STEL: 50 ppm 15 minutes. TWA: 94 mg/m³ 8 hours. TWA: 25 ppm 8 hours. Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). Ethylbenzene Absorbed through skin. STEL: 884 mg/m³ 15 minutes. STEL: 200 ppm 15 minutes. TWA: 200 mg/m³ 8 hours. TWA: 50 ppm 8 hours. neodecanoic acid, cobalt salt Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). [cobalt and its inorganic compounds] Skin sensitiser. TWA: 0.02 mg/m³, (as Co) 8 hours. Form: Dust and fumes **X**ylene NAOSH (Ireland, 5/2021). [xylene mixed isomers] Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV-8hr: 50 ppm 8 hours. OELV-8hr: 221 mg/m³ 8 hours. OELV-15min: 100 ppm 15 minutes. OELV-15min: 442 mg/m³ 15 minutes. NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU Toluene derived Occupational Exposure Limit Values Date of issue/Date of revision : 17/05/2024 Date of previous issue

SECTION 8: Exposure cont	OELV-8hr: 50 ppm 8 hours.
	OELV-8hr: 192 mg/m ³ 8 hours.
	OELV-15min: 100 ppm 15 minutes.
	OELV-15min: 384 mg/m ³ 15 minutes.
Ethylbenzene	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 ³ 8 hours.
	OELV-15min: 200 ppm 15 minutes.
	OELV-15min: 884 mg/m ³ 15 minutes.
Propan-2-ol	NAOSH (Ireland, 5/2021). Absorbed through skin. Notes:
	Advisory Occupational Exposure Limit Values (OELVs)
	OELV-8hr: 200 ppm 8 hours.
	OELV-15min: 400 ppm 15 minutes.
neodecanoic acid, cobalt salt	NAOSH (Ireland, 5/2021). [Cobalt and cobalt compounds as Co
	Sensitization potential. Notes: Advisory Occupational
	Exposure Limit Values (OELVs)
	OELV-8hr: 0.02 mg/m ³ , (as Co) 8 hours.
X ylene	Legislative Decree No. 819/2008. Title IX. Protection from
vijiono	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 ³ 8 hours.
	Short Term: 100 ppm 15 minutes.
	Short Term: 442 mg/m ³ 15 minutes.
Toluene	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Absorbed through skin.
	8 hours: 50 ppm 8 hours.
	8 hours: 192 mg/m ³ 8 hours.
Ethylbenzene	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Absorbed through skin.
	8 hours: 100 ppm 8 hours.
	8 hours: 442 mg/m^3 8 hours.
	Short Term: 200 ppm 15 minutes.
	Short Term: 884 mg/m ³ 15 minutes.
Xylene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
Xylerie	[Xylenes] Absorbed through skin.
	TWA: 221 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
Toluene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
Toldelle	Absorbed through skin.
	TWA: 50 mg/m ³ 8 hours.
	STEL: 150 mg/m³ 15 minutes.
	TWA: 14 ppm 8 hours.
	STEL: 40 ppm 15 minutes.
Ethylbenzene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
Lityibenzene	Absorbed through skin.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m ³ 15 minutes.
Propan-2-ol	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
	TWA: $350 \text{ mg/m}^3 8 \text{ hours.}$
	STEL: 600 mg/m ³ 15 minutes.
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Xylene Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Kylene, Mixel Somers, purel Absorbed through skin. Toluene STEL: 100 ppm 15 minutes. Toluene Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Absorbed through skin. TWA: 50 ppm 15 minutes. Toluene Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Absorbed through skin. TWA: 20 pm 15 minutes. Ethylbenzene Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Absorbed through skin. TWA: 60 pm 15 minutes. STEL: 304 pm 15 minutes. STEL: 200 ppm 15 minutes. STEL: 200 ppm 15 minutes. STEL: 200 ppm 15 minutes. Propan-2-ol Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). TWA: 600 ppm 15 minutes. STEL: 200 ppm 15 minutes. Redecanoic acid, cobalt salt Chatanian Hygiene Standard HN 23 (Lithuania, 7/2022). Kylene Grand-Duchy Regulation 2016. Chemical agents. Annex 1 (Luxemburg, 3/2021) (Pylenes, mixed isomers, pure] Absorbed through skin. TWA: 60 pm 15 minutes. STEL: 200 pm 15 minutes. STEL: 200 pm 15 minutes. Stell: 420 mg/m ² (3 minutes. STEL: 420 mg/m ² (3 minutes. Viene Grand-Duchy Regulation 2016. Chemical agents. Annex 1 (Luxemburg, 3/2021), Mylenes, mixed isomers, pure] <th>Vilana</th> <th></th>	Vilana	
STEL: 442 mg/m ² 15 minutes. Toluene Toluene STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 384 mg/m ² 16 minutes. neodecanoic acid, cobalt sait Lithuamian Hygiene Standard HN 23 (Lithuania, 7/2022). Ithuamian Hygiene Standard HN 23 (Lithuania, 7/2022). Kylene Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021). Mascrote through skin. Toluene Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021). Mascrote through skin.	Xylene	
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 11-12-06-1358 (Norway, 12/2022). [Xylene, all isomers ed through skin. Notes: indicative limit value 25 ppm 8 hours. 108 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through otes: indicative limit value 25 ppm 8 hours. 94 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m³ 8 hours. 21-12-06-1358 (Norway, 12/2022). Absorbed through arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m³ 8 hours.
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 108 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through otes: indicative limit value 25 ppm 8 hours. 94 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
 11-12-06-1358 (Norway, 12/2022). Absorbed through otes: indicative limit value 25 ppm 8 hours. 94 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
otes: indicative limit value 25 ppm 8 hours. 94 mg/m ³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m ³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
94 mg/m ³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m ³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
94 mg/m ³ 8 hours. 11-12-06-1358 (Norway, 12/2022). Absorbed through arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m ³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
arcinogen. Notes: indicative limit value 5 ppm 8 hours. 20 mg/m ³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
5 ppm ⁸ hours. 20 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
20 mg/m³ 8 hours. 11-12-06-1358 (Norway, 12/2022).
11-12-06-1358 (Norway, 12/2022).
100 ppm 8 bours
100 ppm 8 hours. 245 mg/m³ 8 hours.
11-12-06-1358 (Norway, 12/2022). [Inorganic cobalt
unds (except Co(II))] Skin sensitiser. Reproductive
0.02 mg/m³, (calculated as Co) 8 hours.
tion of the Minister of Family, Labor and Social Policy obruary 2021, regarding the highest permissible trations and values of agents harmful to health in the
ivironment (Journal of Laws 2021, item 325) (Poland,
. [xylene – mixed isomers (1,2-, 1,3-, 1,4-)] Absorbed
skin.
100 mg/m³ 8 hours.
200 mg/m ³ 15 minutes.
tion of the Minister of Family, Labor and Social Policy
ebruary 2021, regarding the highest permissible trations and values of agents harmful to health in the
ivironment (Journal of Laws 2021, item 325) (Poland,
Absorbed through skin.
100 mg/m ³ 8 hours.
200 mg/m ³ 15 minutes.
tion of the Minister of Family, Labor and Social Policy
ebruary 2021, regarding the highest permissible
trations and values of agents harmful to health in the
nvironment (Journal of Laws 2021, item 325) (Poland,
Absorbed through skin.
200 mg/m³ 8 hours. 400 mg/m³ 15 minutes.
tion of the Minister of Family, Labor and Social Policy
bruary 2021, regarding the highest permissible

Naphtha (petroleum), hydrotreated heavy neodecanoic acid, cobalt salt Vene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	 work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). Absorbed through skin. TWA: 900 mg/m³ 8 hours. STEL: 1200 mg/m³ 15 minutes. 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). [benzin to varnish] TWA: 300 mg/m³ 8 hours. STEL: 900 mg/m³ 15 minutes. 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). [benzin to varnish] TWA: 300 mg/m³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). [cobalt and point for the formation for the formation for the formation formation for the formation formation
neodecanoic acid, cobalt salt Vene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	TWA: 900 mg/m ³ 8 hours. STEL: 1200 mg/m ³ 15 minutes. 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). [benzin to varnish] TWA: 300 mg/m ³ 8 hours. STEL: 900 mg/m ³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 8 hours. STEL: 400 ppm 15 minutes.
neodecanoic acid, cobalt salt Vene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	STEL: 1200 mg/m ³ 15 minutes. 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). [benzin to varnish] TWA: 300 mg/m ³ 8 hours. STEL: 900 mg/m ³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 8 hours. STEL: 400 ppm 15 minutes.
neodecanoic acid, cobalt salt Vene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	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). [benzin to varnish] TWA: 300 mg/m ³ 8 hours. STEL: 900 mg/m ³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 8 hours. STEL: 400 ppm 8 hours. STEL: 400 ppm 8 hours.
neodecanoic acid, cobalt salt Vene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	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). [benzin to varnish] TWA: 300 mg/m ³ 8 hours. STEL: 900 mg/m ³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 8 hours. STEL: 400 ppm 8 hours.
▼ylene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt ▼ylene	 concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). [benzin to varnish] TWA: 300 mg/m³ 8 hours. STEL: 900 mg/m³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
▼ylene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt ▼ylene	 work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). [benzin to varnish] TWA: 300 mg/m³ 8 hours. STEL: 900 mg/m³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
▼ylene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt ▼ylene	 2/2021). [benzin to varnish] TWA: 300 mg/m³ 8 hours. STEL: 900 mg/m³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 150 ppm 15 minutes.
▼ylene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt ▼ylene	TWA: 300 mg/m ³ 8 hours. STEL: 900 mg/m ³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
▼ylene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt ▼ylene	STEL: 900 mg/m ³ 15 minutes. 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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
▼ylene Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt ▼ylene	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). [cobalt and its inorganic compounds] TWA: 0.02 mg/m ³ , (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	 concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). [cobalt and its inorganic compounds] TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	 work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). [cobalt and its inorganic compounds] TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	 2/2021). [cobalt and its inorganic compounds] TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	 TWA: 0.02 mg/m³, (calculated as Co) 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. STEL: 400 ppm 15 minutes.
Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	Portuguese Institute of Quality (Portugal, 11/2014). [Xylene] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Toluene Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt	TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt <mark>X</mark> ylene	TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt <mark>X</mark> ylene	Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt <mark>X</mark> ylene	through skin. TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Propan-2-ol neodecanoic acid, cobalt salt Xylene	TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Propan-2-ol neodecanoic acid, cobalt salt Xylene	Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Propan-2-ol neodecanoic acid, cobalt salt Xylene	TWA: 20 ppm 8 hours. Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
neodecanoic acid, cobalt salt Xylene	Portuguese Institute of Quality (Portugal, 11/2014). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
neodecanoic acid, cobalt salt Xylene	TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Xylene	STEL: 400 ppm 15 minutes.
Xylene	
Xylene	i ortuguese institute or quality (i ortugal, i i/2014). [cobalt and
	inorganic compounds]
	TWA: 0.02 mg/m ³ , (expressed as Co) 8 hours.
Toluene	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). [Xylene] Absorbed through skin.
Toluene	VLA: 221 mg/m ³ 8 hours.
Toluene	VLA: 50 ppm 8 hours.
Toluene	Short term: 442 mg/m ³ 15 minutes.
Toluene	Short term: 100 ppm 15 minutes.
loluene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021). Absorbed through skin.
	VLA: 192 mg/m ³ 8 hours.
	VLA: 50 ppm 8 hours.
	Short term: 384 mg/m ³ 15 minutes.
	Short term: 100 ppm 15 minutes.
Ethylbenzene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021). Absorbed through skin.
	VLA: 442 mg/m ³ 8 hours.
	VLA: 100 ppm 8 hours.
	Short term: 884 mg/m ³ 15 minutes. Short term: 200 ppm 15 minutes.
Propan-2-ol	HG 1218/2006, Annex 1, with subsequent modifications and
1 10pail-2-01	additions (Romania, 3/2021).
	VLA: 200 mg/m ³ 8 hours.
	VLA: 81 ppm 8 hours.
	Short term: 500 mg/m ³ 15 minutes.
	Short term: 203 ppm 15 minutes.
X ylene	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
· · ·	[xylene, mixed isomers] Absorbed through skin.
	TWA: 221 mg/m ³ , (xylene, mixed isomers) 8 hours.
	TWA: 50 ppm, (xylene, mixed isomers) 8 hours.
	STEL: 442 mg/m ³ , (xylene, mixed isomers) 15 minutes.
	STEL: 100 ppm, (xylene, mixed isomers) 15 minutes.
Toluene	Government regulation SR c. 355/2006 (Slovakia, 9/2020).

SECTION 8: Exposure controls/personal protection Absorbed through skin. TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. Ethylbenzene Government regulation SR c. 355/2006 (Slovakia, 9/2020). Absorbed through skin. TWA: 442 mg/m³ 8 hours. TWA: 100 ppm 8 hours. STEL: 884 mg/m³ 15 minutes. STEL: 200 ppm 15 minutes. Propan-2-ol Government regulation SR c. 355/2006 (Slovakia, 9/2020). TWA: 500 mg/m³ 8 hours. TWA: 200 ppm 8 hours. STEL: 1000 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Government regulation SR c. 355/2006 (Slovakia, 9/2020). neodecanoic acid, cobalt salt [Cobalt and its compounds] Skin sensitiser. TWA: 0.05 mg/m³, (Cobalt and its compounds, as Co) 8 hours. **X**ylene Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021). [xylene (mixture of isomers)] Absorbed through skin. TWA: 221 mg/m³ 8 hours. TWA: 50 ppm 8 hours. KTV: 442 mg/m³, 4 times per shift, 15 minutes. KTV: 100 ppm, 4 times per shift, 15 minutes. Toluene 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/m³ 8 hours. TWA: 50 ppm 8 hours. KTV: 384 mg/m³, 4 times per shift, 15 minutes. KTV: 100 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/m³ 8 hours. TWA: 100 ppm 8 hours. KTV: 884 mg/m³, 4 times per shift, 15 minutes. KTV: 200 ppm, 4 times per shift, 15 minutes. Propan-2-ol Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021). TWA: 500 mg/m³ 8 hours. TWA: 200 ppm 8 hours. KTV: 1000 mg/m³, 4 times per shift, 15 minutes. KTV: 400 ppm, 4 times per shift, 15 minutes. **X**ylene National institute of occupational safety and health (Spain, 4/2022). [Xylene, mixture of isomers] 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. National institute of occupational safety and health (Spain, Toluene 4/2022). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 192 mg/m³ 8 hours. STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Ethylbenzene National institute of occupational safety and health (Spain, 4/2022). Absorbed through skin. TWA: 100 ppm 8 hours. TWA: 441 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes.

Date of issue/Date of revision

EKNOLAC EFFECT 164 - All variants

: 17/05/2024 Date of previous issue

:01/11/2023

	P
Propan-2-ol	National institute of occupational safety and health (Spain,
	4/2022).
	TWA: 200 ppm 8 hours.
	TWA: 500 mg/m ³ 8 hours.
	STEL: 400 ppm 15 minutes.
	STEL: 1000 mg/m ³ 15 minutes.
neodecanoic acid, cobalt salt	National institute of occupational safety and health (Spain,
	4/2022). [Inorganic compounds of cobalt, except those
	expressly stated] Skin sensitiser. Inhalation sensitiser.
	TWA: 0.02 mg/m³, (as Co) 8 hours.
X ylene	Work environment authority Regulation 2018:1 (Sweden,
	9/2021). [xylene] Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
Teluere	STEL: 442 mg/m ³ 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 ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes.
Ethylbenzene	Work environment authority Regulation 2018:1 (Sweden,
	9/2021). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m ³ 15 minutes.
Propan-2-ol	Work environment authority Regulation 2018:1 (Sweden,
	9/2021).
	TWA: 150 ppm 8 hours.
	TWA: 350 mg/m ³ 8 hours.
	STEL: 250 ppm 15 minutes.
	STEL: 600 mg/m ³ 15 minutes.
neodecanoic acid, cobalt salt	Work environment authority Regulation 2018:1 (Sweden,
	9/2021). [cobalt and inorganic compounds inhalable fraction,
	(as Co)] Absorbed through skin. Skin sensitiser.
	TWA: 0.02 mg/m ³ , (as Co) 8 hours. Form: inhalable fraction
X ylene	SUVA (Switzerland, 1/2023). [Xylenes (all isomers)] Absorbed
	through skin.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 440 mg/m ³ 15 minutes.
Toluene	SUVA (Switzerland, 1/2023). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 190 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 760 mg/m ³ 15 minutes.
Ethylbenzene	SUVA (Switzerland, 1/2023). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
	STEL: 50 ppm 15 minutes. STEL: 220 mg/m ³ 15 minutes.
Propan-2-ol	SUVA (Switzerland, 1/2023).
	TWA: 200 ppm 8 hours.
	TWA: 500 mg/m ³ 8 hours.
	STEL: 400 ppm 15 minutes.
	STEL: 1000 mg/m ³ 15 minutes.
Naphtha (petroleum), hydrotreated heavy	SUVA (Switzerland, 1/2023).
,	STEL: 600 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 300 mg/m ³ 8 hours.
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neodecanoic acid, cobalt salt	SUVA (Switzerland, 1/2023). [Cobalt and its compounds] Absorbed through skin. Skin sensitiser. TWA: 0.05 mg/m ³ , (calculated as Co) 8 hours. Form: inhalable dust and aerosol
X ylene	
kylene	EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m p- or mixed isomers] Absorbed through skin. STEL: 441 mg/m³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
- .	STEL: 100 ppm 15 minutes.
Toluene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 384 mg/m ³ 15 minutes.
	TWA: 191 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes.
Ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
Ethylbenzene	through skin.
	STEL: 552 mg/m ³ 15 minutes.
	STEL: 125 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
	TWA: 441 mg/m ³ 8 hours.
Propan-2-ol	EH40/2005 WELs (United Kingdom (UK), 1/2020).
	STEL: 1250 mg/m ³ 15 minutes.
	STEL: 500 ppm 15 minutes.
	TWA: 999 mg/m ³ 8 hours.
	TWA: 400 ppm 8 hours.
Butanone	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 899 mg/m ³ 15 minutes.
	STEL: 300 ppm 15 minutes.
	TWA: 600 mg/m ³ 8 hours.
	TWA: 200 ppm 8 hours.
neodecanoic acid, cobalt salt	EH40/2005 WELs (United Kingdom (UK), 1/2020). [cobalt and
	cobalt compounds as Co] Inhalation sensitiser.
1-Methoxy 2-propanol	TWA: 0.1 mg/m³, (as Co) 8 hours. EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 560 mg/m ³ 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 375 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
Dipropyleneglycolmethylether	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	TWA: 308 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.

Biological exposure indices

Product/ingredient name	Exposure indices
Kylene	VGU BEI (Austria, 9/2020) [xylenes] 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.
Toluene	 VGU BEI (Austria, 9/2020) 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. BEI Fitness: 150000 /µl, platelets [in blood]. Sampling time: one year. BEI Fitness: 3700 to 13000 /µl, leukocytes (non-pathological differential blood count) [in blood]. Sampling time: one year. BEI Fitness: 3700 to 13000 /µl, leukocytes (non-pathological differential blood count) [in blood]. Sampling time: one year. BEI Fitness: 4000 to 13000 /µl, leukocytes [in blood]. Sampling time: one year.
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		time: one year. BEI Fitness - men: 3.8 million/µl, erythrocytes [in blood]. Sampling time: one year. BEI Fitness - women: 3.2 million/µl, erythrocytes [in blood]. Sampling time: one year. BEI Fitness - men: 12 g/dl, hemoglobin [in blood]. Sampling time: one year. BEI Fitness - women: 10 g/dl, hemoglobin [in blood]. Sampling time: one year.
	neodecanoic acid, cobalt salt	VGU BEI (Austria, 9/2020) [cobalt or its compounds] BEI Fitness: 10 μg/l, cobalt [in urine]. Sampling time: one year.
	No exposure indices known.	
	Foluene	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 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.
	₩ylene	 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.
	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: 1.58 mol/mol creatinine, hippuric 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.
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		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.
	Propan-2-ol	Ministry of Economy, Labour and Entrepreneurship ILV/STEL (Croatia, 10/2018)
		BEI: 50 mg/l, acetone [in urine]. Sampling time: at the end of the work shift.
		BEI: 50 mg/l, acetone [in blood]. Sampling time: at the end of the work shift.
		BEI: 0.86 μmol/l, acetone [in urine]. Sampling time: at the end of
		the work shift. BEI: 0.86 μmol/l, acetone [in blood]. Sampling time: at the end of the work shift.
	No exposure indices known.	
	₩ylene	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.
	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.
	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.	
	₩ylene	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.
	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.
	Ethylbenzene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020) BEI: 5.2 mmol/l, mandelic acid [in urine]. Sampling time: after work shift at the end of the working week or exposure period.
	neodecanoic acid, cobalt salt	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020) [Cobalt and its inorganic compounds] BEI: 130 nmol/l, cobalt [in urine]. Sampling time: at the end of each work shift work step or a week or exposure period.
	No exposure indices known.	
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SECTION 8: Exposure	controls/	personal protection
₩ylene		DFG BEI-values list (Germany, 7/2022) [Xylene (all isomers)]Notes: danger from percutaneous absorption (see p. 211 and p. 228).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.
Toluene		 DFG BEI-values list (Germany, 7/2022) Notes: danger from percutaneous absorption (see p. 211 and p. 228). 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.
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.
Propan-2-ol		 DFG BEI-values list (Germany, 7/2022) BEI: 25 mg/l, acetone [in blood]. Sampling time: end of exposure or end of shift. BEI: 25 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2022) BEI: 25 mg/l, acetone [in whole blood]. Sampling time: end of exposure or end of shift. BEI: 25 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift.
neodecanoic acid, cobalt salt		DFG BEI-values list (Germany, 7/2022) [Cobalt and its compounds] Notes: danger from percutaneous absorption (see p. 211 and p. 228). BGV: $35 \mu g/l$, cobalt [in urine]. Sampling time: for long-term exposures: at the end of the shift after several shifts. BEI: $1.5 \mu g/l$, cobalt [in urine]. Sampling time: for long-term exposures: at the end of the shift after several shifts.
No exposure indices known.		
X ylene		5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) [xylene] 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.
Toluene		5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) BEI: 1 mg/g creatinine, o-cresol [in urine]. Sampling time: at the end of the shift.
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	BEI: 1 µmol/mmol creatinine, o-cresol [in urine]. Sampling time: a
	the end of the shift.
Ethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) BEI: 1500 mg/g creatinine, mandelic acid [in urine]. Sampling tim 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.
Propan-2-ol	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) BEI: 430 μmol/l, acetone [in urine]. Sampling time: at the end of the shift. BEI: 25 mg/l, acetone [in urine]. Sampling time: at the end of the shift.
No exposure indices known.	
Yylene	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.
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.
Ethylbenzene	NAOSH (Ireland, 1/2011) 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 orig of the determinant is in question., ethylbenzene [in endexhaled air Sampling time: not critical. 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 practical; or as a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question.], mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift at end of workweek.
Propan-2-ol	NAOSH (Ireland, 1/2011) BMGV: 40 mg/l, acetone [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: er of the shift.
No exposure indices known.	

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₩ylene	Portuguese Institute of Quality (Portugal, 11/2014) [Xylenes] BEI: 1.5 g/g creatinine, (o, m, p) -methyl-boronic acids [in urine]. Sampling time: end of shift.
Toluene	Portuguese Institute of Quality (Portugal, 11/2014) BEI: 0.3 mg/g creatinine, o-cresol [in urine]. Sampling time: end o 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.
Ethylbenzene	Portuguese Institute of Quality (Portugal, 11/2014) BEI: 0.7 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
Propan-2-ol	Portuguese Institute of Quality (Portugal, 11/2014) BEI: 40 mg/l, acetone [in urine]. Sampling time: end of shift at the end of the workweek.
Ylene	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.
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.
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.
Propan-2-ol	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020) OBLV: 50 mg/l, acetone [in urine]. Sampling time: end of shift.
neodecanoic acid, cobalt salt	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020) [Cobalt compounds] OBLV: 1 μg/l, cobalt [in blood]. Sampling time: end of the week. OBLV: 15 μg/l, cobalt [in urine]. Sampling time: end of the week.
₩ylene	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 [ir 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.
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.

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		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: 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. 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 μ g/l, toluene [in blood]. Sampling time: at the end of exposure or work shift.
	Ethylbenzene	Government regulation SR c. 355/2006 (Slovakia, 9/2020)
		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. BLV: 7.44 μmol/mmol creatinine, 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term
		exposure: after several work shifts. BLV: 1067 mg/g creatinine, mandelic acid and phenylglyoxylic acid fin urine). Sempling time: at the and of exposure or work shift:
		acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. 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.
		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. 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.
		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.
		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.
	neodecanoic acid, cobalt salt	Government regulation SR c. 355/2006 (Slovakia, 9/2020) [cobalt and its compounds]
		BLV: 38.45 nmol/mmol creatinine, cobalt [in urine]. Sampling time: no limitation.
		BLV: 20.03 µg/g creatinine, cobalt [in urine]. Sampling time: no limitation.
		BLV: 509.8 nmol/l, cobalt [in urine]. Sampling time: no limitation. BLV: 30 μ g/l, cobalt [in urine]. Sampling time: no limitation.
	X ylene	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 time: at the end of the work shift.
	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
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			the work shift after several consecutive workdays. BAT: 600 μg/l, toluene [in blood]. Sampling time: im after exposure. BAT: 75 μg/l, toluene [in urine]. Sampling time: at th work shift.	2	
Ethylb	enzene		Regulation on protection of workers from the risl exposure to chemical substances at work (Slove BAT: 250 mg/g creatinine, mandelic acid and pheny [in urine]. Sampling time: at the end of the work shift.	nia, 5/2021) /lglyoxylic aci	
Propa	n-2-ol		Regulation on protection of workers from the risk exposure to chemical substances at work (Slove BAT: 25 mg/l, acetone [in urine]. Sampling time: at work shift. BAT: 25 mg/l, acetone [in blood]. Sampling time: at work shift.	nia, 5/2021) the end of the	е
X ylen	e		National institute of occupational safety and heal 4/2022) [Xylenes] VLB: 1 g/g creatinine, methylhippuric acids [in urine time: end of shift.	• •	
Tolue	ne		National institute of occupational safety and heal 4/2022) VLB: 0.05 mg/l, toluene [in blood]. Sampling time: p shift of workweek. VLB: 0.6 mg/g creatinine, o-cresol [in urine]. Sampli of shift. VLB: 0.08 mg/l, toluene [in urine]. Sampling time: en	rior to last ing time: end	ł
Ethylb	enzene		National institute of occupational safety and heal 4/2022) VLB: 700 mg/g creatinine, sum of mandelic acid an phenylglyoxylic acid [in urine]. Sampling time: end of	d acid and	
Propa	n-2-ol		National institute of occupational safety and heal 4/2022) VLB: 40 mg/l, acetone [in urine]. Sampling time: end		ək.
neode	ecanoic acid, cobalt salt		National institute of occupational safety and heal 4/2022) [cobalt and inorganic compouns of cobal oxides] VLB: 1 μg/l, cobalt [in blood]. Sampling time: end of VLB: 15 μg/l, cobalt [in urine]. Sampling time: end o	t, except workweek.	
No ex	posure indices known.				
<mark>,</mark> ¥ylen∉			SUVA (Switzerland, 1/2023) [Xylene, all isomers] BEI: 2 g/I, methyl hippuric acid [in urine]. Sampling t immediately after exposure or after working hours.	ime:	
Tolue	ne		 SUVA (Switzerland, 1/2023) BEI: 2 g/g creatinine, hippuric acid [in urine]. Samplimmediately after exposure or after working hours. In term exposure: after more than one shift. BEI: 1.26 mmol/mmol creatinine, hippuric acid [in uritime: immediately after exposure or after working hour long-term exposure: after more than one shift. BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediater more than one shift. BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: after exposure or after working hours. In case of long-term after more than one shift. BEI: 4.62 µmol/l, o-cresol [in urine]. Sampling time: after exposure or after working hours. In case of long exposure: after more than one shift. BEI: 600 µg/l, toluene [in blood]. Sampling time: immexposure or after working hours. 	n case of long rine]. Samplir urs. In case o mediately afte n exposure: immediately g-term	ng of er
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SECTION 8: Exposure controls/personal protection					
	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.				
Ethylbenzene	SUVA (Switzerland, 1/2023) BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid [in urine]. Sampling time: immediately after exposure or after working hours.				
Propan-2-ol	SUVA (Switzerland, 1/2023) BEI: 0.4 mmol/l, acetone [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 25 mg/l, acetone [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 0.4 mmol/l, acetone [in urine]. Sampling time: immediately after exposure or after working hours. BEI: 25 mg/l, acetone [in urine]. Sampling time: immediately after exposure or after working hours.				
neodecanoic acid, cobalt salt	SUVA (Switzerland, 1/2023) [Cobalt and its compounds] BEI: 30 μg/l, cobalt [in urine]. Sampling time: immediately after exposure or after working hours. BEI: 509 nmol/l, cobalt [in urine]. Sampling time: immediately after exposure or after working hours.				
₩ylene	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.				
Butanone	EH40/2005 BMGVs (United Kingdom (UK), 8/2018) BGV: 70 μmol/l, butan-2-one [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
Xylene	DNEL	Long term	65.3 mg/m ³	General	Local
		Inhalation	0	population	
	DNEL	Short term	260 mg/m ³	General	Local
		Inhalation		population	
	DNEL	Short term	260 mg/m ³	General	Systemic
		Inhalation		population	
	DNEL	Long term	221 mg/m ³	Workers	Local
		Inhalation			
	DNEL	Long term Oral	12.5 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term	65.3 mg/m ³		Systemic
		Inhalation		population	
	DNEL	Long term Dermal	125 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term Dermal	212 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	221 mg/m ³	Workers	Systemic
		Inhalation			
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	DNEL	Short term	442 mg/m ³	Workers	Local	
		Inhalation	442 mg/m	Workers	Local	
	DNEL	Short term	442 mg/m³	Workers	Systemic	
Toluene	DNEL	Inhalation Long term Oral	8.13 mg/	General	Systemic	
			kg bw/day	population		
	DNEL	Long term	56.5 mg/m ³	General	Local	
		Inhalation		population		
	DNEL	Long term	56.5 mg/m ³	General	Systemic	
		Inhalation		population		
	DNEL	Long term Inhalation	192 mg/m ³	Workers	Local	
	DNEL	Long term Inhalation	192 mg/m³	Workers	Systemic	
	DNEL	Long term Dermal	226 mg/kg bw/day	General	Systemic	
	DNEL	Short term	226 mg/m ³	population General	Local	
		Inhalation	000 / 3	population		
	DNEL	Short term	226 mg/m ³	General	Systemic	
		Inhalation	204 mm m/// m	population	Curatamia	
	DNEL	Long term Dermal	384 mg/kg bw/day	Workers	Systemic	
	DNEL	Short term Inhalation	384 mg/m³	Workers	Local	
	DNEL	Short term Inhalation	384 mg/m³	Workers	Systemic	
Ethylbenzene	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic	
	DNEL	Long term	15 mg/m ³	General	Systemic	
	DNEL	Inhalation Long term	77 mg/m³	population Workers	Systemic	
	DNEL	Inhalation Long term Dermal	180 mg/kg	Workers	Systemic	
	DNEL	Short term	bw/day 293 mg/m³	Workers	Local	
	DMEL	Inhalation	442 mg/m ³			
		Long term Inhalation	0		Local	
	DMEL	Short term Inhalation	884 mg/m³	Workers	Systemic	
Propan-2-ol	DNEL	Long term Oral	26 mg/kg bw/day	General population	Systemic	
	DNEL	Long term Inhalation	89 mg/m³	General population	Systemic	
	DNEL	Long term Dermal	319 mg/kg	General	Systemic	
	DNEL	Long term	bw/day 500 mg/m³	Workers	Systemic	
	DNEL	Inhalation Long term Dermal	888 mg/kg	Workers	Systemic	
			bw/day		_	
Naphtha (petroleum), hydrotreated	DNEL	Long term	0.41 mg/m ³	General	Systemic	
heavy	DNEL	Inhalation Long term	1.9 mg/m³	population Workers	Systemic	
	DNEL	Inhalation Long term	178.57 mg/	General	Local	
		Inhalation	m³	population		
	DNEL	Long term Oral	300 mg/kg bw/day	General population	Systemic	
	DNEL	Long term Dermal	300 mg/kg bw/day	General population	Systemic	
	DNEL	Long term Dermal	300 mg/kg bw/day	Workers	Systemic	
	DNEL	Short term	640 mg/m ³	General	Local	
		Inhalation	027 E mart	population		
	DNEL	Long term Inhalation	837.5 mg/ m³	Workers	Local	
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	DNEL	Short term Inhalation	1066.67 mg/m³	Workers	Local
	DNEL	Short term Inhalation	1152 mg/ m³	General population	Systemic
	DNEL	Short term Inhalation	1286.4 mg/ m ³	Workers	Systemic
neodecanoic acid, cobalt salt	DNEL	Long term Oral	32 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	43 µg/m³	General population	Local
	DNEL	Long term Inhalation	273.2 μg/ m³	Workers	Local

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 meas	<u>ures</u>
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. 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	
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): polyvinyl alcohol (PVA) thickness > 0.3 mm or $4H$ / Silver Shield® gloves.
	> 8 hours (breakthrough time): Viton® thickness > 0.3 mm gloves
	Wash hands before breaks and immediately after handling the product.
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	 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.

•	
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	: Various
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	:

Ingredient name	°C	°F	Method
Propan-2-ol	83	181.4	
Toluene	110.6	231.1	

Flammability
Lower and upper explosion
limit
Flash point

Not available.
Not available.

Upper: 12%

ż

: Closed cup: 4°C (39.2°F)

Auto-ignition temperature

Ingredient name		°C	°F	Method	
Maphtha (petroleum), hydrotreated heavy Xylene		280 to 470	536 to 878		
		432	809.6		
Decomposition temperature	: Not ava	ailable.			
ЭН	: Not app	olicable.			
		ntic (40°C): >20).5 mm²/s		
Solubility(ies)	:				
Net evellete					

Not available.

Solubility in water

: Not available.

2

Partition coefficient: n-octanol/ : Not applicable. water

Vapour pressure

	Va	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
Propan-2-ol	33.00268	4.4					
Toluene	23.17	3.1					
Relative density	: Not	available.				·	
)ensity	: 1 g/	cm³					
apour density	: Not	available.					

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Explosive properties	: Not available.
Oxidising properties	: Not available.
Particle characteristics	
Median particle size	: Not applicable.
Median particle size	Not applicable

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

Product/ingredient name	Result	Species	Dose	Exposure
X ylene	LC50 Inhalation Vapour	Rat	21.7 mg/l	4 hours
-	LD50 Oral	Rat	4300 mg/kg	-
Toluene	LC50 Inhalation Vapour	Rat	49 g/m³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
Ethylbenzene	LC50 Inhalation Dusts and	Rat	29000 mg/l	4 hours
-	mists			
	LD50 Dermal	Rabbit	15400 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
Propan-2-ol	LD50 Dermal	Rabbit	12800 mg/kg	-
·	LD50 Oral	Rat	5000 mg/kg	-
Naphtha (petroleum),	LC50 Inhalation Vapour	Rat	8500 mg/m ³	4 hours
hydrotreated heavy			_	
-	LD50 Oral	Rat	>6 g/kg	-

Conclusion/Summary

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

Acute toxicity estimates

Route	ATE value
	3936.88 mg/kg 32.28 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
X ylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
-	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				mg	
	Skin - Mild irritant	Rat	-	8 hours 60 uL	-
	Skin - Moderate irritant	Rabbit	-	100 %	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
Toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes	-
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<u> </u>				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	-	
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 mg	-	
	Skin - Mild irritant	Rabbit	-	24 hours 15	-	
Draw are 0 al	Europ Mandausta imitant	Dabbit		mg		
Propan-2-ol	Eyes - Moderate irritant Eyes - Moderate irritant	Rabbit Rabbit	-	10 mg 24 hours 100	-	
	Eyes - Moderate Initant	Rabbit	-	mg	-	
	Eyes - Severe irritant	Rabbit	_	100 mg	_	
	Skin - Mild irritant	Rabbit	-	500 mg	-	
Conclusion/Summary	: Causes skin irritation.	·	·	·		
Sensitisation						
Conclusion/Summary	: Based on available data, t	he classification	n criteria a	are not met.		
Mutagenicity						
Conclusion/Summary	: Based on available data, t	he classification	n criteria a	are not met.		
Carcinogenicity						
Conclusion/Summary	: Based on available data, t	he classification	n criteria a	are not met.		
Reproductive toxicity						
Conclusion/Summary	: Based on available data, t	he classification	n criteria a	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
Xylene	Category 3	-	Respiratory tract irritation
Toluene Propan-2-ol	Category 3 Category 3	-	Narcotic effects Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
<mark>X</mark> ylene	Category 2	oral, inhalation	-
Toluene	Category 2	-	
Ethylbenzene	Category 2	oral, inhalation	hearing organs
neodecanoic acid, cobalt salt	Category 1	-	-

Aspiration hazard

Product/ingredient name	Result
Xylene	ASPIRATION HAZARD - Category 1
Toluene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1

Information on likely routes : Not available.

of exposure

Potential acute health effects		
Eye contact	:	Causes serious eye irritation.
Inhalation	:	May cause respiratory irritation.

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Skin contact	: 🗭 auses skin irritation.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to t	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: respiratory tract irritation coughing 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

Delayed and immediate effects as well as chronic effects from short and long-term exposure

	<u> </u>
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ects</u>
Not available.	
Conclusion/Summary	: Not available.
General	: May cause damage to organs through prolonged or repeated exposure
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: Suspected of damaging the unborn child.

11.2 Information on other hazards

11.2.1 Endocrine disrupting propertiesNot available.11.2.2 Other informationNot available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Voluene	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - <i>Gammarus</i> <i>pseudolimnaeus</i> - Adult	48 hours
	Acute EC50 5.56 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
Propan-2-ol	Acute EC50 10100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
•	Acute LC50 1400000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200000 µg/l Fresh water	Fish - Rasbora heteromorpha	96 hours
Conclusion/Summary	: Based on available data, the classifica	ation criteria are not met.	•

12.2 Persistence and degradability

Conclusion/Summary

: This product has not been tested for biodegradation.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
X ylene	3.12	8.1 to 25.9	Low
Toluene	2.73	90	Low
Ethylbenzene	3.6	-	Low
Propan-2-ol	0.05	-	Low
Naphtha (petroleum),	-	10 to 2500	High
hydrotreated heavy neodecanoic acid, cobalt sal	t -	15600	High

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
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 <u>Product</u>	
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. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

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SECTION 13: Disposal considerations

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European waste catalogue (EWC)	: 080111*, 200127*
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	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	II	II	II	II
14.5 Environmental hazards	No.	No.	No.	No.

Additional information

: <u>Special provisions</u> 640 (C) <u>Tunnel code</u> (D/E)

ADN

14.6 Special precautions for user: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

: Not relevant/applicable due to nature of the product.

SECTION 15: Regulatory information

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

: Special provisions 640 (C)

Annex XIV - List of substances subject to authorisation

<u>Annex XIV</u>

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

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SECTION 15: Regulato	ry inform	ation			
Product/ingredient name		%	Designation	[Usage]	
TEKNOLAC EFFECT 164 Toluene		≥90 ≥10 - ≤15	3 48		
Labelling :					
Other EU regulations					
Industrial emissions : (integrated pollution prevention and control) - Air	Listed				
Industrial emissions : (integrated pollution prevention and control) - Water	Listed				
Explosive precursors :	Not applicab	le.			
Ozone depleting substances	<u>(1005/2009/E</u>	<u>U)</u>			
Not listed.					
Prior Informed Consent (PIC)	<u>(649/2012/EU</u>	<u>(r</u>			
Not listed.					
Persistent Organic Pollutants Not listed.	2				
Seveso Directive					
This product is controlled unde	r the Seveso I	Directive.			
Danger criteria					
Category					
P5c					
National regulations					
Austria					
	A I Very danger	ous flammab	le liquid.		
Limitation of the use of : organic solvents	Permitted.				
Czech Republic					
	Ι				
<u>Denmark</u>					
	I-1				
Executive Order No. 1795/201	15				1
Ingredient name				Annex I Section A	Annex I Section B
Ethylbenzene Propan-2-ol neodecanoic acid, cobalt salt			L	isted isted isted	-
	4-3				
	According t			involving coded p nal protective equi	roducts, the following pment:
	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, the following must be worn:				
		rotection and	l arm protectors	s/apron/coveralls/pro	tective clothing as
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MAL-code: 4-3

		Application: When spraying in new* booths if the op zone. When using scraper or knife, brush, roller, etc. outside a closed facility, spray booth or spray cabin.	
		- Air-supplied half mask and eye protection must be w	/orn.
		When using scraper or knife, brush, roller, etc, for pre cabins or booths of the existing* facility type, if the ope	
		- Air-supplied half mask, coveralls and eye protection	must be worn.
		During downtimes, cleaning and repair in closed facilit there is a risk of contact with wet paint or organic solv	
		- Air-supplied full mask and coveralls must be worn.	
		When spraying in existing* spray booths, if the operat	or is outside the spray zone.
		- Air-supplied full mask, arm protectors and apron mu	st be worn.
		During non-atomising spraying in existing* facilities of cabin and spray-booth type where the operator is wor	
		- Air-supplied full mask must be worn.	
		During all spraying where atomisation occurs in cabin operator is inside the spray zone and during spraying or booth.	
		- Air-supplied full mask, coveralls and hood must be v	vorn.
		Drying: Items for drying/drying ovens that are tempo rack trolleys, etc, must be equipped with a mechanica fumes from wet items from passing through workers'	I exhaust system to prevent
		Polishing: When polishing treated surfaces, a mask When machine grinding, eye protection must be worn worn.	
		Caution The regulations contain other stipulations in	addition to the above.
		*See Regulations.	
Restrictions on use	:	Not to be used by professional users below 18 years of Working Environment Authorities Executive Order reg	
List of undesirable substances	:	Listed	
Carcinogenic waste	:	Waste containers must be labeled: Contains a substa by Danish working environment legislation on cancer	
<u>Finland</u>		,	
France		_	
Social Security Code, Articles L 461-1 to L 461-7	•	Vene Toluene Ethylbenzene Propan-2-ol Naphtha (petroleum), hydrotreated heavy	RG 4bis, RG 84 RG 4bis, RG 84 RG 84 RG 84 RG 84
		neodecanoic acid, cobalt salt	RG 70

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SECTION 15: Regulatory information

Reinforced medical
surveillance

: Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable

Germany TRGS 905

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development		
Cobalt compounds	K2	M1A	RF1A	RD1A		

Storage class (TRGS 510) : 3

Hazardous incident ordinance

This product is controlled under the Germany Hazardous Incident Ordinance.

Danger criteria

Category	Reference number
P5c	1.2.5.3

Hazard class for water	1	3
Technical instruction on	:	🔽 A-Luft N
air quality control		TA-Luft C

Number 5.2.5: 34.7% Class I - Number 5.2.5: 16.8% TA-Luft Class I - Number 5.2.7.1.1: 0.1%

Italy

D.Lgs. 152/0	6 :	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
x ylene	-	-	-	Development 2	-
tolueen	-	-	-	Development 2	-
Naphtha (petroleum), hydrotreated heavy	Listed	Listed	-	-	-
Naphtha (petroleum), hydrotreated heavy	Listed	Listed	-	-	-
Solvent naphtha (petroleum), light arom.	Listed	Listed	-	-	-
Water Discharge Polic (ABM)	environme	ent (carcinogenicity	stances with hazard // mutagenicity/ rep ontamination effort:	rotoxicity/ bioacum	
<u>Norway</u>	-				
Sweden					
Flammable liquid class (SRVFS 2005:10)	s : 1				
Switzerland					
VOC content	: VOC (w/w): 51.2%			
nternational regulation	<u>S</u>				
Chemical Weapon Conv Not listed.	vention List Sche	dules I, II & III Che	emicals		
Iontreal Protocol					
Not listed.					
tockholm Convention	on Persistent Org	<u>ganic Pollutants</u>			
Not listed.					
Rotterdam Convention	on Prior Informed	I Consent (PIC)			
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SECTION 15: Regulatory information

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 the second s	hat has changed from previously issued version.
Abbreviations and acronyms	 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 PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification	
Mam. Liq. 2, H225	On basis of test data	
Skin Irrit. 2, H315	Calculation method	
Eye Irrit. 2, H319	Calculation method	
Repr. 2, H361d	Calculation method	
STOT SE 3, H335	Calculation method	
STOT RE 2, H373	Calculation method	

Full text of abbreviated H statements

⊮ 225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful 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 Aquatic Chronic 3 Asp. Tox. 1	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EVE DAMAGE (EVE URBITATION - Category 2
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
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
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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SECTION 16: Other information			
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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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