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

SAFETY DATA SHEET



AC EMAILLACK FM 3021-80 - All variants

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

1.1 Product identifier

Product name : AC EMAILLACK FM 3021-80 - 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

responsible for this SDS

National contact

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

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : In an emergency, call 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT SE 3, H336 Aquatic Chronic 3, H412

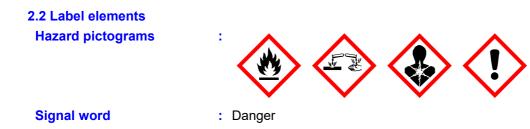
The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity
 24.4 percent of the mixture consists of component(s) of unknown acute oral toxicity 24.4 percent of the mixture consists of component(s) of unknown acute dermal toxicity 24.4 percent of the mixture consists of component(s) of unknown acute inhalation toxicity
 Ingredients of unknown
 Contains 24.4% of components with unknown hazards to the aquatic environment

Ingredients of unknown ecotoxicity

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.



SECTION 2: Hazards identification

SECTION 2: Hazards	ic	lentification
Hazard statements	:	 H225 - Highly flammable liquid and vapour. H315 - Causes skin irritation. H318 - Causes serious eye damage. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements		
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.
Response	:	P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	1	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	1	Contains: n-Butyl acetate; Methylisobutylketone; Butan-1-ol and iso-butanol
Supplemental label elements	:	
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

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
┏-Butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≥10 - ≤25	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
Methylisobutylketone	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4	≥10 - ≤25	Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066	ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
Butan-1-ol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	≤8.6	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	ATE [Oral] = 790 mg/kg	[1]
Date of issue/Date of revision	: 14/01/2025 Date	e of previous is	sue : 26/09/2024	Version : 1.07	1 2/67
AC EMAILLACK FM 3021-80) - All variants			Label No :8572	22

acetone	REACH #:	≤10	Flam. Liq. 2, H225	EUH066: C ≥ 25%	[1] [2]
	01-2119471330-49 EC: 200-662-2 CAS: 67-64-1 Index: 606-001-00-8		Eye Irrit. 2, H319 STOT SE 3, H336 EUH066		
iso-butanol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≤4.8	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1]
1-Methoxy 2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≤5	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≤2.7	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]
Solvent naphtha (petroleum), light arom.	EC: 265-199-0 CAS: 64742-95-6	≤1.9	Flam. Liq. 3, H226 Acute Tox. 4, H332 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	ATE [Inhalation (vapours)] = 11 mg/ I	[1]
2-Methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	≤3	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
1,2,4-trimethylbenzene	EC: 202-436-9 CAS: 95-63-6 Index: 601-043-00-3	≤1.8	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411	ATE [Inhalation (vapours)] = 18 mg/ I	[1] [2]
Toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	<3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 See Section 16 for the full text of the H statements declared above.	-	[1] [2]

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. <u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

SECTION 3: Composition/information on ingredients

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

SECTION 4: First aid measures

.1 Description of first aid measures				
Eye contact	: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.			
Inhalation	: Get medical attention immediately. Call a poison center or physician. 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. 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	: Set medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.			
Ingestion	: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.			
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.			

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
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.

	-	-				
Date of issue/Date of revision	: 14/01/2025	Date of previous issue	: 26/09/2024	Version	: 1.01	4/67
AC EMAILLACK FM 3021-80 - All	variants			Label No	85722	2

SECTION 4: First aid measures

Specific treatments

: No specific treatment.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective 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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
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. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal

contractor.

: 26/09/2024

SECTION 6: Accidental release measures

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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.
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. 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. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. 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. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria

	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonnes	50000 tonnes

7.3 Specific end use(s)

Recommendations

- : Not available.
- Industrial sector specific solutions
- : Not available.

Date of issue/Date of revision :

: 14/01/2025 Date of previous issue

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
R-Butyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021) [Butylacetat alle Isomeren außer tert-Butylacet]
	CEIL: 480 mg/m ³ . CEIL: 100 ppm. TWA 8 hours: 241 mg/m ³ .
Mathuliaahutulkatana	TWA 8 hours: 50 ppm.
Methylisobutylketone	 Regulation on Limit Values - MAC (Austria, 4/2021) Absorbed through skin. TWA 8 hours: 20 ppm. TWA 8 hours: 83 mg/m³. PEAK 15 minutes: 50 ppm 4 times per shift. PEAK 15 minutes: 208 mg/m³ 4 times per shift.
Butan-1-ol	Regulation on Limit Values - MAC (Austria, 4/2021) [Butanol (alle Isomeren außer 2-Methyl-2-propanol)] PEAK 15 minutes: 200 ppm 4 times per shift. TWA 8 hours: 150 mg/m ³ . TWA 8 hours: 50 ppm. PEAK 15 minutes: 600 mg/m ³ 4 times per shift.
acetone	Regulation on Limit Values - MAC (Austria, 4/2021) TWA 8 hours: 500 ppm. TWA 8 hours: 1200 mg/m ³ . PEAK 15 minutes: 2000 ppm 4 times per shift. PEAK 15 minutes: 4800 mg/m ³ 4 times per shift.
so-butanol	Regulation on Limit Values - MAC (Austria, 4/2021) [Butanol (alle Isomeren außer 2-Methyl-2-propanol)] PEAK 15 minutes: 200 ppm 4 times per shift. TWA 8 hours: 150 mg/m ³ . TWA 8 hours: 50 ppm. PEAK 15 minutes: 600 mg/m ³ 4 times per shift.
I-Methoxy 2-propanol	Regulation on Limit Values - MAC (Austria, 4/2021) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 187 mg/m ³ . CEIL: 50 ppm. CEIL: 187 mg/m ³ .
Kylene	Regulation on Limit Values - MAC (Austria, 4/2021) [Xylol (all Isomeren, rein)] PEAK 15 minutes: 442 mg/m ³ 4 times per shift. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm 4 times per shift. TWA 8 hours: 221 mg/m ³ .
2-Methoxy-1-methylethyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m ³ . CEIL 5 minutes: 100 ppm 8 times per shift. CEIL 5 minutes: 550 mg/m ³ 8 times per shift.
1,2,4-trimethylbenzene	Regulation on Limit Values - MAC (Austria, 4/2021) [Trimethylbenzol (alle Isomeren)] PEAK 15 minutes: 30 ppm 4 times per shift. TWA 8 hours: 100 mg/m ³ . PEAK 15 minutes: 150 mg/m ³ 4 times per shift. TWA 8 hours: 20 ppm.
Toluene	Regulation on Limit Values - MAC (Austria, 4/2021) d. Absorbe through skin.

SECTION 8: Exposure controls/personal protection TWA 8 hours: 50 ppm. TWA 8 hours: 190 mg/m³. PEAK 15 minutes: 100 ppm 4 times per shift. PEAK 15 minutes: 380 mg/m³ 4 times per shift. p-Butyl acetate Limit values (Belgium, 12/2023) [butylacetaat] STEL 15 minutes: 712 mg/m³. STEL 15 minutes: 150 ppm. TWA 8 hours: 238 mg/m³. TWA 8 hours: 50 ppm. Methylisobutylketone Limit values (Belgium, 12/2023) TWA 8 hours: 20 ppm. TWA 8 hours: 83 mg/m³. STEL 15 minutes: 50 ppm. STEL 15 minutes: 208 mg/m³. Butan-1-ol Limit values (Belgium, 12/2023) Absorbed through skin. TWA 8 hours: 20 ppm. TWA 8 hours: 62 mg/m³. acetone Limit values (Belgium, 12/2023) TWA 8 hours: 246 ppm. TWA 8 hours: 594 mg/m³. STEL 15 minutes: 492 ppm. STEL 15 minutes: 1187 mg/m³. Limit values (Belgium, 12/2023) iso-butanol TWA 8 hours: 50 ppm. TWA 8 hours: 154 mg/m³. Limit values (Belgium, 12/2023) Absorbed through skin. 1-Methoxy 2-propanol TWA 8 hours: 50 ppm. TWA 8 hours: 184 mg/m³. STEL 15 minutes: 100 ppm. STEL 15 minutes: 369 mg/m³. **Xylene** Limit values (Belgium, 12/2023) [Xyleen] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m³. STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m³. 2-Methoxy-1-methylethyl acetate Limit values (Belgium, 12/2023) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m³. STEL 15 minutes: 100 ppm. STEL 15 minutes: 550 mg/m³. Limit values (Belgium, 12/2023) [Trimethylbenzeen] 1,2,4-trimethylbenzene TWA 8 hours: 20 ppm. TWA 8 hours: 100 mg/m³. Limit values (Belgium, 12/2023) Absorbed through skin. Toluene TWA 8 hours: 20 ppm. TWA 8 hours: 77 mg/m³. STEL 15 minutes: 100 ppm. STEL 15 minutes: 384 mg/m³. p-Butyl acetate Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 241 mg/m³. Limit value 15 minutes: 723 mg/m³. Limit value 15 minutes: 150 ppm. Limit value 8 hours: 50 ppm. Ministry of Labour and Social Policy and the Ministry of Methylisobutylketone Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 50 mg/m³. Limit value 15 minutes: 200 mg/m³. Ministry of Labour and Social Policy and the Ministry of Butan-1-ol Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 100 mg/m³. Limit value 15 minutes: 150 mg/m³.

Date of issue/Date of revision : 14/01/2 AC EMAILLACK FM 3021-80 - All variants

: 14/01/2025 Date of previous issue

: 26/09/2024

acetone	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024)
	Limit value 8 hours: 600 mg/m³. Limit value 15 minutes: 1400 mg/m³.
1-Methoxy 2-propanol	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed
	through skin.
	Limit value 8 hours: 375 mg/m ³ .
	Limit value 15 minutes: 568 mg/m³. Limit value 15 minutes: 150 ppm.
	Limit value 13 minutes. 130 ppm.
Xylene	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024) [Xylene]
	Absorbed through skin.
	Limit value 8 hours: 221 mg/m³. Limit value 15 minutes: 442 mg/m³.
	Limit value 15 minutes: 100 ppm.
	Limit value 8 hours: 50 ppm.
2-Methoxy-1-methylethyl acetate	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed
	through skin. Limit value 8 hours: 275 mg/m³.
	Limit value 0 hours: 275 mg/m^3 .
	Limit value 15 minutes: 100 ppm.
	Limit value 8 hours: 50 ppm.
1,2,4-trimethylbenzene	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 100 mg/m ³ .
	Limit value 8 hours: 20 ppm.
Toluene	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed
	through skin. Limit value 15 minutes: 384 mg/m³.
	Limit value 13 minutes: 304 mg/m ³ .
	Limit value 15 minutes: 100 ppm.
	Limit value 8 hours: 50 ppm.
P -Butyl acetate	Ordinance on the protection of workers from exposure to
	hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023)
	STELV 15 minutes: 723 mg/m ³ .
	STELV 15 minutes: 150 ppm.
	ELV 8 hours: 241 mg/m ³ .
	ELV 8 hours: 50 ppm.
Methylisobutylketone	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I)
	(Croatia, 12/2023)
	STELV 15 minutes: 208 mg/m ³ .
	STELV 15 minutes: 50 ppm.
	ELV 8 hours: 83 mg/m ³ . ELV 8 hours: 20 ppm.
Butan-1-ol	Ordinance on the protection of workers from exposure to
	hazardous chemicals at work, exposure limit values (Annex I)
	(Croatia, 12/2023) Absorbed through skin.
	STELV 15 minutes: 154 mg/m ³ .
acetone	STELV 15 minutes: 50 ppm. Ordinance on the protection of workers from exposure to
	hazardous chemicals at work, exposure limit values (Annex I)
	(Croatia, 12/2023)
	ELV 8 hours: 1210 mg/m ³ .
ise butanel	ELV 8 hours: 500 ppm.
iso-butanol	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I)
	(Croatia, 12/2023) Absorbed through skin.
Date of issue/Date of revision : 14/01/	2025 Date of previous issue : 26/09/2024 Version : 1.01 9/67

	STELV 15 minutes: 231 mg/m ³ .
	STELV 15 minutes: 75 ppm.
	ELV 8 hours: 154 mg/m ³ .
	ELV 8 hours: 50 ppm.
-Methoxy 2-propanol	Ordinance on the protection of workers from exposure to
	hazardous chemicals at work, exposure limit values (Annex
	(Croatia, 12/2023)
	STELV 15 minutes: 568 mg/m ³ .
	STELV 15 minutes: 150 ppm.
	ELV 8 hours: 375 mg/m ³ .
	ELV 8 hours: 100 ppm.
(ylene	Ordinance on the protection of workers from exposure to
	hazardous chemicals at work, exposure limit values (Annex
	(Croatia, 12/2023) [ksilen] Absorbed through skin.
	STELV 15 minutes: 442 mg/m ³ .
	STELV 15 minutes: 100 ppm. ELV 8 hours: 221 mg/m ³ .
	ELV 8 hours: 50 ppm.
Mathavy 1 mathylathyl apatata	
-Methoxy-1-methylethyl acetate	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex
	(Croatia, 12/2023) Absorbed through skin.
	STELV 15 minutes: 550 mg/m ³ .
	STELV 15 minutes: 330 mg/m .
	ELV 8 hours: 275 mg/m^3 .
	ELV 8 hours: 50 ppm.
,2,4-trimethylbenzene	Ordinance on the protection of workers from exposure to
,_, · · · · · · · · · · · · · · · · · ·	hazardous chemicals at work, exposure limit values (Annex
	(Croatia, 12/2023)
	ELV 8 hours: 100 mg/m ³ .
	ELV 8 hours: 20 ppm.
Toluene	Ordinance on the protection of workers from exposure to
	hazardous chemicals at work, exposure limit values (Annex
	(Croatia, 12/2023) Absorbed through skin.
	STELV 15 minutes: 384 mg/m ³ .
	STELV 15 minutes: 100 ppm.
	ELV 8 hours: 192 mg/m ³ .
	ELV 8 hours: 50 ppm.
-Butyl acetate	Department of labour inspection (Cyprus, 7/2021)
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 723 mg/m ³ .
	TWA 8 hours: 50 ppm.
Acth diaphut dictors	TWA 8 hours: 241 mg/m ³ .
lethylisobutylketone	Department of labour inspection (Cyprus, 7/2021)
	STEL 15 minutes: 50 ppm. STEL 15 minutes: 208 mg/m ³ .
	TWA 8 hours: 20 ppm.
	TWA 8 hours: 83 mg/m ³ .
cetone	Department of labour inspection (Cyprus, 7/2021) Absorbed
	through skin.
	TWA 8 hours: 500 ppm.
	TWA 8 hours: 1210 mg/m^3 .
-Methoxy 2-propanol	Department of labour inspection (Cyprus, 7/2021) Absorbed
	through skin.
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 568 mg/m ³ .
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 375 mg/m ³ .
ylene	Department of labour inspection (Cyprus, 7/2021) [Ξυλένιο,
	μικτά ισομερή, καθαρά] Absorbed through skin.
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 442 mg/m ³ .
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m ³ .

SECTION 8: Exposure controls/	personal protection
2-Methoxy-1-methylethyl acetate	Department of labour inspection (Cyprus, 7/2021) Absorbed through skin. STEL 15 minutes: 100 ppm. STEL 15 minutes: 550 mg/m ³ . TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m ³ .
1,2,4-trimethylbenzene	Department of labour inspection (Cyprus, 7/2021) TWA 8 hours: 20 ppm.
Toluene	TWA 8 hours: 100 mg/m ³ . Department of labour inspection (Cyprus, 7/2021) Absorbed through skin. STEL 15 minutes: 100 ppm. STEL 15 minutes: 384 mg/m ³ . TWA 8 hours: 50 ppm. TWA 8 hours: 192 mg/m ³ .
<mark>p</mark> -Butyl acetate	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 723 mg/m ³ . STEL 15 minutes: 150 ppm. TWA 8 hours: 50 ppm.
Methylisobutylketone	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) Absorbed through skin. TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 208 mg/m ³ . STEL 15 minutes: 50 ppm.
Butan-1-ol	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [butanol] TWA 8 hours: 300 mg/m ³ . TWA 8 hours: 97 ppm. STEL 15 minutes: 600 mg/m ³ . STEL 15 minutes: 194 ppm.
acetone	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) TWA 8 hours: 800 mg/m ³ . STEL 15 minutes: 1500 mg/m ³ . STEL 15 minutes: 621.4 ppm. TWA 8 hours: 331.4 ppm.
iso-butanol	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [butanol] TWA 8 hours: 300 mg/m ³ . TWA 8 hours: 97 ppm. STEL 15 minutes: 600 mg/m ³ . STEL 15 minutes: 194 ppm.
1-Methoxy 2-propanol	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) Absorbed through skin. TWA 8 hours: 270 mg/m ³ . TWA 8 hours: 72.09 ppm. STEL 15 minutes: 550 mg/m ³ . STEL 15 minutes: 146.84 ppm.
Xylene	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [xylen] Absorbed through skin. TWA 8 hours: 200 mg/m ³ . TWA 8 hours: 45.33 ppm. STEL 15 minutes: 400 mg/m ³ . STEL 15 minutes: 90.66 ppm.
Solvent naphtha (petroleum), light arom.	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) [nafta solventní] TWA 8 hours: 200 mg/m ³ . STEL 15 minutes: 1000 mg/m ³ .
2-Methoxy-1-methylethyl acetate	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) Absorbed through skin.
Date of issue/Date of revision : 14/01/2025	Date of previous issue : 26/09/2024 Version : 1.01 11/67

	s/personal protection
	TWA 8 hours: 275 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 550 mg/m ³ . STEL 15 minutes: 100 ppm.
,2,4-trimethylbenzene	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023)
	TWA 8 hours: 100 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 250 mg/m ³ . STEL 15 minutes: 50 ppm.
oluene	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) Absorbed through skin. TWA 8 hours: 192 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 384 mg/m ³ . STEL 15 minutes: 100 ppm.
-Butyl acetate	Working Environment Authority (Denmark, 3/2024) [butylacetat, alle isomerer] TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 723 mg/m ³ . STEL 15 minutes: 150 ppm.
<i>l</i> ethylisobutylketone	Working Environment Authority (Denmark, 3/2024) Absorbed through skin. TWA 8 hours: 20 ppm. TWA 8 hours: 83 mg/m ³ . STEL 15 minutes: 208 mg/m ³ . STEL 15 minutes: 50 ppm.
Butan-1-ol	Working Environment Authority (Denmark, 3/2024) [butanol, alle isomere] Absorbed through skin. CEIL: 50 ppm. CEIL: 150 mg/m ³ .
icetone	Working Environment Authority (Denmark, 3/2024) TWA 8 hours: 250 ppm. TWA 8 hours: 600 mg/m ³ . STEL 15 minutes: 1200 mg/m ³ . STEL 15 minutes: 500 ppm.
so-butanol	Working Environment Authority (Denmark, 3/2024) [butanol, alle isomere] Absorbed through skin. CEIL: 50 ppm. CEIL: 150 mg/m ³ .
-Methoxy 2-propanol	Working Environment Authority (Denmark, 3/2024) [1-methox 2-propanol] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 185 mg/m ³ . STEL 15 minutes: 568 mg/m ³ . STEL 15 minutes: 150 ppm.
(ylene	Working Environment Authority (Denmark, 3/2024) [xylen, alle isomere] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 109 mg/m ³ . STEL 15 minutes: 442 mg/m ³ . STEL 15 minutes: 100 ppm.
-Methoxy-1-methylethyl acetate	Working Environment Authority (Denmark, 3/2024) [2-methox 1-methylethylacetat] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m ³ . STEL 15 minutes: 550 mg/m ³ . STEL 15 minutes: 100 ppm.
,2,4-trimethylbenzene	Working Environment Authority (Denmark, 3/2024) [trimethylbenzen] TWA 8 hours: 20 ppm. TWA 8 hours: 100 mg/m ³ .

	STEL 15 minutes: 200 mg/m ³ . STEL 15 minutes: 40 ppm.
oluene	Working Environment Authority (Denmark, 3/2024) Absorbed
	through skin. TWA 8 hours: 25 ppm.
	TWA 8 hours: 94 mg/m ³ .
	STEL 15 minutes: 384 mg/m^3 .
_	5
-Butyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024)
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 723 mg/m ³ .
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 241 mg/m ³ .
lethylisobutylketone	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024)
	TWA 8 hours: 83 mg/m ³ .
	TWA 8 hours: 20 ppm.
	STEL 15 minutes: 208 mg/m ³ .
	STEL 15 minutes: 50 ppm.
utan-1-ol	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024) Absorbed through skin.
	TWA 8 hours: 45 mg/m ³ .
	TWA 8 hours: 15 ppm.
	STEL 5 minutes: 90 mg/m ³ .
	STEL 5 minutes: 30 ppm.
cetone	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024)
	TWA 8 hours: 1210 mg/m ³ .
	TWA 8 hours: 500 ppm.
so-butanol	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024)
	TWA 8 hours: 150 mg/m ³ .
	TWA 8 hours: 50 ppm.
-Methoxy 2-propanol	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024) Absorbed through skin, Sensitiser.
	TWA 8 hours: 375 mg/m ³ .
	TWA 8 hours: 100 ppm.
	STEL 15 minutes: 568 mg/m ³ .
	STEL 15 minutes: 150 ppm.
ylene	Occupational exposure limits, Regulation No. 293 (Estonia,
-	4/2024) [ksüleen] Absorbed through skin.
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 450 mg/m ³ .
	TWA 8 hours: 200 mg/m ³ .
-Methoxy-1-methylethyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024) Absorbed through skin , Sensitiser.
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 550 mg/m ³ .
	TWA 8 hours: 275 mg/m ³ .
	TWA 8 hours: 50 ppm.
,2,4-trimethylbenzene	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024)
	TWA 8 hours: 20 ppm.
	TWA 8 hours: 100 mg/m³.
oluene	Occupational exposure limits, Regulation No. 293 (Estonia,
	4/2024) Absorbed through skin.
	TWA 8 hours: 192 mg/m ³ .
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 384 mg/m ³ .
	STEL 15 minutes: 100 ppm.

r-Butyl acetate	EU OEL (Europe, 1/2022)
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 723 mg/m ³ .
	TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm.
Asthuliashutulkatana	
lethylisobutylketone	EU OEL (Europe, 1/2022) TWA 8 hours: 20 ppm.
	TWA 8 hours: 83 mg/m ³ .
	STEL 15 minutes: 50 ppm.
	STEL 15 minutes: 208 mg/m ³ .
cetone	EU OEL (Europe, 1/2022)
	TWA 8 hours: 500 ppm.
	TWA 8 hours: 1210 mg/m ³ .
-Methoxy 2-propanol	EU OEL (Europe, 1/2022) Absorbed through skin.
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 375 mg/m ³ .
	STEL 15 minutes: 150 ppm.
viene.	STEL 15 minutes: 568 mg/m ³ .
ylene	EU OEL (Europe, 1/2022) [xylene, mixed isomers] Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 442 mg/m ³ .
2-Methoxy-1-methylethyl acetate	EU OEL (Europe, 1/2022) Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 275 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 550 mg/m ³ .
,2,4-trimethylbenzene	EU OEL (Europe, 1/2022)
	TWA 8 hours: 20 ppm.
oluene	TWA 8 hours: 100 mg/m ³ .
oluene	EU OEL (Europe, 1/2022) Absorbed through skin. TWA 8 hours: 192 mg/m ³ .
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 384 mg/m ³ .
	STEL 15 minutes: 100 ppm.
-Butyl acetate	Institute of Occupational Health, Ministry of Social Affairs
Daily acciate	(Finland, 10/2021)
	TWA 8 hours: 150 ppm.
	TWA 8 hours: 720 mg/m ³ .
	STEL 15 minutes: 200 ppm.
	STEL 15 minutes: 960 mg/m ³ .
lethylisobutylketone	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021)
	TWA 8 hours: 20 ppm. TWA 8 hours: 80 mg/m ³ .
	STEL 15 minutes: 50 ppm.
	STEL 15 minutes: 210 mg/m ³ .
utan-1-ol	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021) Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 150 mg/m ³ .
	STEL 15 minutes: 75 ppm.
	STEL 15 minutes: 230 mg/m ³ .
cetone	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021)
	TWA 8 hours: 500 ppm.
	TWA 8 hours: 1200 mg/m ³ .
	STEL 15 minutes: 630 ppm.
a hutanal	STEL 15 minutes: 1500 mg/m ³ .
so-butanol	Institute of Occupational Health, Ministry of Social Affairs

SECTION 8: Exposure contro	ols/personal protection
	(Finland, 10/2021) [Butanoli] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 150 mg/m ³ . STEL 15 minutes: 75 ppm. STEL 15 minutes: 230 mg/m ³ .
1-Methoxy 2-propanol	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 370 mg/m ³ .
Xylene	STEL 15 minutes: 150 ppm. STEL 15 minutes: 560 mg/m ³ . Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) [Ksyleeni] Absorbed through skin. STEL 15 minutes: 440 mg/m ³ .
2-Methoxy-1-methylethyl acetate	TWA 8 hours: 220 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) Absorbed through skin.
1.2.4 twine of the life surgery of	TWA 8 hours: 50 ppm. TWA 8 hours: 270 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 550 mg/m ³ .
1,2,4-trimethylbenzene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) TWA 8 hours: 20 ppm. TWA 8 hours: 100 mg/m ³ .
Toluene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) Absorbed through skin, Ototoxicant. TWA 8 hours: 25 ppm. TWA 8 hours: 81 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 380 mg/m ³ .
P-Butyl acetate	Ministry of Labor (France, 6/2024) TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 241 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 150 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 723 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Methylisobutylketone	Ministry of Labor (France, 6/2024) Carc 2. TWA 8 hours: 20 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 83 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 208 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Butan-1-ol	Ministry of Labor (France, 6/2024) STEL 15 minutes: 50 ppm. Notes: Permissible limit values (circulars) STEL 15 minutes: 150 mg/m ³ . Notes: Permissible limit values (circulars)
acetone	Ministry of Labor (France, 6/2024) TWA 8 hours: 500 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 1210 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 2420 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Date of issue/Date of revision : 14/01/2	025 Date of previous issue : 26/09/2024 Version : 1.01 15/67

	-
	STEL 15 minutes: 1000 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
iso-butanol	Ministry of Labor (France, 6/2024) TWA 8 hours: 50 ppm. Notes: Permissible limit values (circulars) TWA 8 hours: 150 mg/m³. Notes: Permissible limit values
1-Methoxy 2-propanol	(circulars) Ministry of Labor (France, 6/2024) Absorbed through skin. TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 188 mg/m ³ . Notes: Binding regulatory limit values
	(article R. 4412-149 of the Labor Code) STEL 15 minutes: 375 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Xylene	Ministry of Labor (France, 6/2024) [xylènes, isomères mixtes, purs] Absorbed through skin. STEL 15 minutes: 442 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 221 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Solvent naphtha (petroleum), light arom.	Ministry of Labor (France, 6/2024) [hydrocarbures en C6-C12] TWA 8 hours: 1000 mg/m ³ . Form: Vapour. Notes: Permissible limit values (circulars) STEL 15 minutes: 1500 mg/m ³ . Form: Vapour. Notes: Permissible limit values (circulars)
2-Methoxy-1-methylethyl acetate	Ministry of Labor (France, 6/2024) Absorbed through skin. STEL 15 minutes: 550 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 275 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
1,2,4-trimethylbenzene	Ministry of Labor (France, 6/2024) TWA 8 hours: 20 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 100 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 250 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Toluene	Ministry of Labor (France, 6/2024) Repr 2. Absorbed through skin , Ototoxicant. TWA 8 hours: 20 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 76.8 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 384 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Date of issue/Date of revision : 14/01/2025	Date of previous issue : 26/09/2024 Version : 1.01 16/67

SECTION 8: Exposure	controis			
n -Butyl acetate		TRGS 900 OEL (Ge		
		TWA 8 hours: 300 TWA 8 hours: 62 p		
		PEAK 15 minutes:		
		PEAK 15 minutes:		
		DFG MAC-values li		23) Develop C.
		TWA 8 hours: 100		
				er shift [Interval: 1 hour].
		TWA 8 hours: 480		per shift [Interval: 1 hour].
Mathyliachutylkatana			-	
Methylisobutylketone		TWA 8 hours: 83 m		sorbed through skin.
		PEAK 15 minutes:		
		TWA 8 hours: 20 p		
		PEAK 15 minutes:		
			st (Germany, 7/20)	Develop C. Absorbed
		through skin.		
		TWA 8 hours: 20 p		r shift [Interval: 1 hour].
		TWA 8 hours: 83 m		
				per shift [Interval: 1 hour].
Butan-1-ol		TRGS 900 OEL (Ge	rmany, 6/2024)	
		TWA 8 hours: 310		
		PEAK 15 minutes:		
		TWA 8 hours: 100		
		PEAK 15 minutes:		
		DFG MAC-values li TWA 8 hours: 100		23) Develop C.
				er shift [Interval: 1 hour].
		TWA 8 hours: 310		
				per shift [Interval: 1 hour].
acetone		TRGS 900 OEL (Ge	rmany, 6/2024)	
		TWA 8 hours: 1200		
		PEAK 15 minutes:	0	
		TWA 8 hours: 500		
		PEAK 15 minutes: DFG MAC-values li		
		TWA 8 hours: 500		
				per shift [Interval: 1 hour].
		TWA 8 hours: 1200) mg/m³.	
		PEAK 15 minutes:	2400 mg/m³ 4 time	s per shift [Interval: 1 hour].
so-butanol		TRGS 900 OEL (Ge	rmany, 6/2024)	
		TWA 8 hours: 310		
		PEAK 15 minutes:		
		TWA 8 hours: 100 PEAK 15 minutes:		
		DFG MAC-values li		23) Develop C
		TWA 8 hours: 100		
				er shift [Interval: 1 hour].
		TWA 8 hours: 310		
		PEAK 15 minutes:	310 mg/m³ 4 times	per shift [Interval: 1 hour].
1-Methoxy 2-propanol		TRGS 900 OEL (Ge		
		TWA 8 hours: 370		
		PEAK 15 minutes: TWA 8 hours: 100		
		PEAK 15 minutes:		
		DFG MAC-values li		23) Develop C.
		TWA 8 hours: 100		, I ⁻
		PEAK 15 minutes:	200 ppm 4 times pe	er shift [Interval: 1 hour].
		TWA 8 hours: 370	0	and the first state of the first
			-	per shift [Interval: 1 hour].
Xylene		-		ylol] Absorbed through skin.
		TWA 8 hours: 220	mg/m³.	
ate of issue/Date of revision	: 14/01/2025	Date of previous issue	: 26/09/2024	Version : 1.01 17/67

-Methoxy-1-methylethyl acetate ,2,4-trimethylbenzene	PEAK 15 minutes: 440 mg/m ³ . TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm. DFG MAC-values list (Germany, 7/2023) [Xylene] Develop D. Absorbed through skin. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 220 mg/m ³ . PEAK 15 minutes: 440 mg/m ³ 4 times per shift [Interval: 1 hour]. TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 270 mg/m ³ . PEAK 15 minutes: 270 mg/m ³ . TWA 8 hours: 50 ppm. DFG MAC-values list (Germany, 7/2023) Develop C. TWA 8 hours: 50 ppm. PEAK 15 minutes: 50 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 270 mg/m ³ . PEAK 15 minutes: 200 mg/m ³ . PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 200 mg/m ³ . PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 200 mg/m ³ . PEAK 15 minutes: 200 mg/m ³ .
,2,4-trimethylbenzene	 TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 270 mg/m³. PEAK 15 minutes: 270 mg/m³. TWA 8 hours: 50 ppm. PEAK 15 minutes: 50 ppm. DFG MAC-values list (Germany, 7/2023) Develop C. TWA 8 hours: 50 ppm. PEAK 15 minutes: 50 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 270 mg/m³. PEAK 15 minutes: 270 mg/m³ 4 times per shift [Interval: 1 hour]. TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 100 mg/m³. PEAK 15 minutes: 20 ppm. PEAK 15 minutes: 40 ppm. DFG MAC-values list (Germany, 7/2023) [Trimethylbenzene] Develop C. TWA 8 hours: 20 ppm. TWA 8 hours: 20 ppm.
	TWA 8 hours: 270 mg/m ³ . PEAK 15 minutes: 270 mg/m ³ 4 times per shift [Interval: 1 hour]. TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 100 mg/m ³ . PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 40 ppm. DFG MAC-values list (Germany, 7/2023) [Trimethylbenzene] Develop C. TWA 8 hours: 20 ppm. TWA 8 hours: 100 mg/m ³ .
ōluene	TWA 8 hours: 100 mg/m ³ . PEAK 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 40 ppm. DFG MAC-values list (Germany, 7/2023) [Trimethylbenzene] Develop C. TWA 8 hours: 20 ppm. TWA 8 hours: 100 mg/m ³ .
oluene	PEAK 15 minutes: 40 ppm 4 times per shift [Interval: 1 hour].
	 TRGS 900 OEL (Germany, 6/2024) Absorbed through skin. TWA 8 hours: 190 mg/m³. PEAK 15 minutes: 380 mg/m³. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm. DFG MAC-values list (Germany, 7/2023) Develop C. Absorbed through skin. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 190 mg/m³. PEAK 15 minutes: 380 mg/m³ 4 times per shift [Interval: 1 hour].
-Butyl acetate	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ .
/lethylisobutylketone	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 410 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 410 mg/m ³ .
Butan-1-ol	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 300 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 300 mg/m ³ .
cetone	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) TWA 8 hours: 1780 mg/m ³ . STEL 15 minutes: 3560 mg/m ³ .

iso-butanol	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) TWA 8 hours: 100 ppm. TWA 8 hours: 300 mg/m ³ . STEL 15 minutes: 100 ppm.
1-Methoxy 2-propanol	STEL 15 minutes: 300 mg/m ³ . Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 360 mg/m ³ . STEL 15 minutes: 300 ppm. STEL 15 minutes: 1080 mg/m ³ .
Xylene	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) [ξυλόλια (όλα τα ισομερή)] Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 650 mg/m ³ .
2-Methoxy-1-methylethyl acetate	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 550 mg/m ³ .
1,2,4-trimethylbenzene	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) TWA 8 hours: 25 ppm. TWA 8 hours: 125 mg/m ³ .
Toluene	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 192 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 384 mg/m ³ .
<mark>p</mark> -Butyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) Sensitiser. TWA 8 hours: 241 mg/m ³ . PEAK 15 minutes: 723 mg/m ³ . PEAK 15 minutes: 150 ppm. TWA 8 hours: 50 ppm.
Methylisobutylketone	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) TWA 8 hours: 83 mg/m ³ . PEAK 15 minutes: 208 mg/m ³ . PEAK 15 minutes: 50 ppm. TWA 8 hours: 20 ppm.
Butan-1-ol	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) Absorbed through skin. TWA 8 hours: 45 mg/m ³ . PEAK 15 minutes: 90 mg/m ³ .
acetone	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) TWA 8 hours: 1210 mg/m ³ . TWA 8 hours: 500 ppm.
1-Methoxy 2-propanol	 5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) Absorbed through skin. TWA 8 hours: 375 mg/m³. PEAK 15 minutes: 568 mg/m³. PEAK 15 minutes: 150 ppm. TWA 8 hours: 100 ppm.
Xylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) [xilol izomerek keveréke] Absorbed through skin. TWA 8 hours: 221 mg/m ³ . PEAK 15 minutes: 442 mg/m ³ . PEAK 15 minutes: 100 ppm.
Date of issue/Date of revision : 14/01/2025	Date of previous issue : 26/09/2024 Version : 1.01 19/67

	TWA 8 hours: 50 ppm.
2-Methoxy-1-methylethyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023)
	TWA 8 hours: 275 mg/m ³ . PEAK 15 minutes: 550 mg/m ³ .
	PEAK 15 minutes: 100 ppm.
	TWA 8 hours: 50 ppm.
,2,4-trimethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023)
	TWA 8 hours: 100 mg/m ³ .
- aluana	TWA 8 hours: 20 ppm.
oluene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) Absorbed throug skin.
	TWA 8 hours: 192 mg/m ³ .
	PEAK 15 minutes: 384 mg/m ³ .
	PEAK 15 minutes: 100 ppm.
	TWA 8 hours: 50 ppm.
-Butyl acetate	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	[bútýlasetat, allir ísómerar]
	TWA 8 hours: 241 mg/m ³ .
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 723 mg/m ³ .
	STEL 15 minutes: 150 ppm.
lethylisobutylketone	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	Absorbed through skin. STEL 15 minutes: 208 mg/m ³ .
	STEL 15 minutes: 50 ppm.
	TWA 8 hours: 83 mg/m ³ .
	TWA 8 hours: 20 ppm.
utan-1-ol	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	Absorbed through skin.
	STEL 15 minutes: 150 mg/m ³ . STEL 15 minutes: 50 ppm.
	TWA 8 hours: 80 mg/m ³ .
	TWA 8 hours: 25 ppm.
cetone	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	TWA 8 hours: 600 mg/m ³ .
so-butanol	TWA 8 hours: 250 ppm. Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023)
	[Bútanól, allir ísomerar nema n-bútanól] Absorbed through sk
	STEL 15 minutes: 150 mg/m ³ .
	STEL 15 minutes: 50 ppm.
-Methoxy 2-propanol	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	Absorbed through skin. STEL 15 minutes: 568 mg/m ³ .
	STEL 15 minutes: 500 mg/m . STEL 15 minutes: 150 ppm.
	TWA 8 hours: 185 mg/m ³ .
	TWA 8 hours: 50 ppm.
ylene	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023 [Xýlen, allir ísómerar] Absorbed through skin.
	STEL 15 minutes: 442 mg/m^3 .
	STEL 15 minutes: 100 ppm.
	TWA 8 hours: 109 mg/m ³ .
	TWA 8 hours: 25 ppm.
-Methoxy-1-methylethyl acetate	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	Absorbed through skin. STEL 15 minutes: 550 mg/m³.
	STEL 15 minutes: 100 ppm.
	TWA 8 hours: 275 mg/m ³ .
	TWA 8 hours: 50 ppm.
,2,4-trimethylbenzene	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023
	[Trímetýlbensen] Notes: The same exposure limits in mg/m ³ sha be used for other polyalkyl benzenes.
	TWA 8 hours: 100 mg/m ³ .

TWA 8 hours: 20 ppm.
Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023) Absorbed through skin. STEL 15 minutes: 188 mg/m ³ . STEL 15 minutes: 50 ppm. TWA 8 hours: 94 mg/m ³ . TWA 8 hours: 25 ppm.
 NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 50 ppm. OELV 8 hours: 241 mg/m³. OELV 15 minutes: 150 ppm. OELV 15 minutes: 723 mg/m³.
NAOSH (Ireland, 4/2024) Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 20 ppm. OELV 8 hours: 83 mg/m ³ . OELV 15 minutes: 50 ppm. OELV 15 minutes: 208 mg/m ³ .
NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposur Limit Values (OELVs) OELV 8 hours: 20 ppm.
NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 500 ppm. OELV 8 hours: 1210 mg/m ³ .
NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposur Limit Values (OELVs) OELV 8 hours: 150 ppm. OELV 8 hours: 700 mg/m ³ .
NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 100 ppm. OELV 8 hours: 375 mg/m ³ . OELV 15 minutes: 150 ppm. OELV 15 minutes: 568 mg/m ³ .
 NAOSH (Ireland, 4/2024) [xylene] Absorbed through skin. Notes EU derived Occupational Exposure Limit Values OELV 8 hours: 50 ppm. OELV 8 hours: 221 mg/m³. OELV 15 minutes: 100 ppm. OELV 15 minutes: 442 mg/m³.
 NAOSH (Ireland, 4/2024) Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 50 ppm. OELV 8 hours: 275 mg/m³. OELV 15 minutes: 100 ppm. OELV 15 minutes: 550 mg/m³.
NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 100 mg/m ³ . OELV 8 hours: 20 ppm.
 NAOSH (Ireland, 4/2024) Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 50 ppm. OELV 8 hours: 192 mg/m³. OELV 15 minutes: 100 ppm. OELV 15 minutes: 384 mg/m³.

SECTION 8: Exposure controls/personal protection p-Butyl acetate EU OEL (Europe, 1/2022) STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m³. TWA 8 hours: 241 mg/m³. TWA 8 hours: 50 ppm. Legislative Decree No. 81/2008. Title IX. Protection from Methylisobutylketone chemical agents, carcinogens and mutagens (Italy, 6/2020) Limit value 8 hours: 20 ppm. Limit value 8 hours: 83 mg/m³. Short Term 15 minutes: 50 ppm. Short Term 15 minutes: 208 mg/m³. Legislative Decree No. 81/2008. Title IX. Protection from acetone chemical agents, carcinogens and mutagens (Italy, 6/2020) Limit value 8 hours: 500 ppm. Limit value 8 hours: 1210 mg/m³. 1-Methoxy 2-propanol Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020) Absorbed through skin. Limit value 8 hours: 100 ppm. Limit value 8 hours: 375 mg/m³. Short Term 15 minutes: 150 ppm. Short Term 15 minutes: 568 mg/m³. **Xylene** Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020) [Xilene, isomeri misti, puro] Absorbed through skin. Limit value 8 hours: 50 ppm. Limit value 8 hours: 221 mg/m³.

Short Term 15 minutes: 100 ppm. Short Term 15 minutes: 442 mg/m³.

Absorbed through skin. Limit value 8 hours: 50 ppm. Limit value 8 hours: 275 mg/m³. Short Term 15 minutes: 100 ppm. Short Term 15 minutes: 550 mg/m³.

Limit value 8 hours: 20 ppm. Limit value 8 hours: 100 mg/m³.

Absorbed through skin. Limit value 8 hours: 50 ppm. Limit value 8 hours: 192 mg/m³.

TWA 8 hours: 241 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m³.

TWA 8 hours: 50 ppm.

TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 50 ppm. STEL 15 minutes: 208 mg/m³.

TWA 8 hours: 10 mg/m³.

TWA 8 hours: 1210 mg/m³. TWA 8 hours: 500 ppm.

Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020)

Legislative Decree No. 81/2008. Title IX. Protection from

Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020)

chemical agents, carcinogens and mutagens (Italy, 6/2020)

Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024)

2-Methoxy-1-methylethyl acetate

1,2,4-trimethylbenzene

Toluene

-Butyl acetate

Methylisobutylketone

Butan-1-ol

acetone

iso-butanol

Date of issue/Date of revision

: 14/01/2025 Date of previous issue

[Butilspirti]

sue : 26/0

: 26/09/2024

	[Butilspirti]
1-Methoxy 2-propanol	TWA 8 hours: 10 mg/m ³ . Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024)
	Absorbed through skin. TWA 8 hours: 100 ppm. STEL 15 minutes: 568 mg/m ³ . TWA 8 hours: 375 mg/m ³ .
Xylene	STEL 15 minutes: 150 ppm. Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024 [Ksilols] Absorbed through skin.
	TWA 8 hours: 221 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ .
2-Methoxy-1-methylethyl acetate	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024 Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m ³ . STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 100 ppm. STEL 15 minutes: 550 mg/m ³ .
1,2,4-trimethylbenzene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024 TWA 8 hours: 20 ppm.
Toluene	TWA 8 hours: 100 mg/m ³ . Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024
loidene	Absorbed through skin. TWA 8 hours: 50 mg/m ³ . STEL 15 minutes: 150 mg/m ³ . TWA 8 hours: 14 ppm.
_	STEL 15 minutes: 40 ppm.
r-Butyl acetate	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 723 mg/m ³ . STEL 15 minutes: 150 ppm.
Methylisobutylketone	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 208 mg/m ³ . STEL 15 minutes: 50 ppm.
Butan-1-ol	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024)
	Absorbed through skin. TWA 8 hours: 45 mg/m ³ . TWA 8 hours: 15 ppm. CEIL: 90 mg/m ³ . CEIL: 30 ppm.
acetone	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 1210 mg/m ³ . TWA 8 hours: 500 ppm. STEL 15 minutes: 2420 mg/m ³ . STEL 15 minutes: 1000 ppm.
so-butanol	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) Absorbed through skin. TWA 8 hours: 10 mg/m ³ .
I-Methoxy 2-propanol	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) Absorbed through skin. TWA 8 hours: 190 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 300 mg/m ³ .
Xylene	STEL 15 minutes: 75 ppm. Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) [ksilenas, mišrūs izomerai, grynas] Absorbed through skin. STEL 15 minutes: 442 mg/m ³ . TWA 8 hours: 50 ppm.

	STEL 15 minutes: 100 ppm.
	TWA 8 hours: 221 mg/m ³ .
2-Methoxy-1-methylethyl acetate	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024)
	Absorbed through skin. TWA 8 hours: 250 mg/m³.
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 400 mg/m ³ .
	STEL 15 minutes: 75 ppm.
,2,4-trimethylbenzene	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024)
	[trimetilbenzenas ir jo izomerai] Carc, Muta.
	TWA 8 hours: 100 mg/m ³ .
	TWA 8 hours: 20 ppm.
oluene	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) Repr
	Absorbed through skin.
	TWA 8 hours: 192 mg/m ³ .
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 384 mg/m ³ .
	STEL 15 minutes: 100 ppm.
Butyl acetate	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021)
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 723 mg/m ³ .
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 241 mg/m ³ .
lethylisobutylketone	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021)
	TWA 8 hours: 20 ppm.
	TWA 8 hours: 83 mg/m ³ . STEL 15 minutes: 50 ppm.
	STEL 15 minutes: 208 mg/m ³ .
cetone	Grand-Duchy Regulation 2016. Chemical agents. Annex I
Celone	(Luxembourg, 3/2021)
	TWA 8 hours: 500 ppm.
	TWA 8 hours: 1210 mg/m^3 .
-Methoxy 2-propanol	Grand-Duchy Regulation 2016. Chemical agents. Annex I
, , , ,	(Luxembourg, 3/2021) Absorbed through skin.
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 375 mg/m ³ .
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 568 mg/m ³ .
ylene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021) [xylène Isomères mixtes, pures]
	Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m ³ .
	STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ .
	, and the second s
-Methoxy-1-methylethyl acetate	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021) Absorbed through skin. TWA 8 hours: 50 ppm.
	TWA 8 hours: 275 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 550 mg/m ³ .
,2,4-trimethylbenzene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
, , ,	(Luxembourg, 3/2021)
	TWA 8 hours: 20 ppm.
	TWA 8 hours: 100 mg/m ³ .
oluene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021) Absorbed through skin.
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 384 mg/m ³ .
	TWA 8 hours: 50 ppm.

EU OEL (Europe, 1/2022) STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ . TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm. EU OEL (Europe, 1/2022) TWA 8 hours: 20 ppm. TWA 8 hours: 83 mg/m ³ .
STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ . TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm. EU OEL (Europe, 1/2022) TWA 8 hours: 20 ppm.
STEL 15 minutes: 723 mg/m ³ . TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm. EU OEL (Europe, 1/2022) TWA 8 hours: 20 ppm.
TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm. EU OEL (Europe, 1/2022) TWA 8 hours: 20 ppm.
TWA 8 hours: 50 ppm. EU OEL (Europe, 1/2022) TWA 8 hours: 20 ppm.
EU OEL (Europe, 1/2022) TWA 8 hours: 20 ppm.
TWA 8 hours: 20 ppm.
L LWA 8 hours: 83 mg/m ²
STEL 15 minutes: 50 ppm. STEL 15 minutes: 208 mg/m ³ .
C C
EU OEL (Europe, 1/2022)
TWA 8 hours: 500 ppm. TWA 8 hours: 1210 mg/m ³ .
EU OEL (Europe, 1/2022) Absorbed through skin.
TWA 8 hours: 100 ppm.
TWA 8 hours: 375 mg/m ³ .
STEL 15 minutes: 150 ppm.
STEL 15 minutes: 568 mg/m ³ .
EU OEL (Europe, 1/2022) [xylene, mixed isomers] Absorbed
through skin.
TWA 8 hours: 50 ppm.
TWA 8 hours: 221 mg/m ³ .
STEL 15 minutes: 100 ppm.
STEL 15 minutes: 442 mg/m ³ .
EU OEL (Europe, 1/2022) Absorbed through skin.
TWA 8 hours: 50 ppm.
TWA 8 hours: 275 mg/m ³ .
STEL 15 minutes: 100 ppm.
STEL 15 minutes: 550 mg/m ³ .
EU OEL (Europe, 1/2022)
TWA 8 hours: 20 ppm.
TWA 8 hours: 100 mg/m ³ .
EU OEL (Europe, 1/2022) Absorbed through skin.
TWA 8 hours: 192 mg/m ³ .
TWA 8 hours: 50 ppm.
STEL 15 minutes: 384 mg/m ³ .
STEL 15 minutes: 100 ppm.
Ministry of Social Affairs and Employment, Legal limit values
(Netherlands, 5/2024)
TWA 8 hours: 241 mg/m ³ .
STEL 15 minutes: 723 mg/m ³ .
STEL 15 minutes: 150 ppm.
TWA 8 hours: 50 ppm.
Ministry of Social Affairs and Employment, Legal limit values
(Netherlands, 5/2024)
TWA 8 hours: 104 mg/m ³ .
STEL 15 minutes: 208 mg/m ³ . TWA 8 hours: 25 ppm.
STEL 15 minutes: 50 ppm.
Ministry of Social Affairs and Employment, Legal limit values
(Netherlands, 5/2024)
STEL 15 minutes: 2420 mg/m ³ .
TWA 8 hours: 1210 mg/m^3 .
TWA 8 hours: 500 ppm.
STEL 15 minutes: 1000 ppm.
Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 5/2024) Absorbed through skin.
TWA 8 hours: 375 mg/m ³ .
STEL 15 minutes: 563 mg/m ³ .
TWA 8 hours: 100 ppm.

Xylene	Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 5/2024) [xyleen, o-, m-, p-isomeren] Absorbed through skin. TWA 8 hours: 210 mg/m ³ . STEL 15 minutes: 442 mg/m ³ . STEL 15 minutes: 100 ppm.
2-Methoxy-1-methylethyl acetate	TWA 8 hours: 47.5 ppm. Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 5/2024) TWA 8 hours: 550 mg/m ³ .
1,2,4-trimethylbenzene	TWA 8 hours: 100 ppm. Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 5/2024) TWA 8 hours: 100 mg/m ³ . STEL 15 minutes: 200 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 40 ppm.
Toluene	Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 5/2024) TWA 8 hours: 150 mg/m ³ . STEL 15 minutes: 384 mg/m ³ . STEL 15 minutes: 100 ppm. TWA 8 hours: 39 ppm.
P-Butyl acetate	FOR-2011-12-06-1358 (Norway, 12/2022) STEL 15 minutes: 723 mg/m ³ . STEL 15 minutes: 150 ppm. TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm.
Methylisobutylketone	FOR-2011-12-06-1358 (Norway, 12/2022) Absorbed through skin. TWA 8 hours: 20 ppm. TWA 8 hours: 83 mg/m ³ . STEL 15 minutes: 50 ppm. STEL 15 minutes: 208 mg/m ³ .
Butan-1-ol	FOR-2011-12-06-1358 (Norway, 12/2022) Absorbed through skin. CEIL: 75 mg/m ³ . CEIL: 25 ppm.
acetone	FOR-2011-12-06-1358 (Norway, 12/2022) TWA 8 hours: 125 ppm. TWA 8 hours: 295 mg/m³.
iso-butanol	FOR-2011-12-06-1358 (Norway, 12/2022) Absorbed through skin. CEIL: 75 mg/m ³ . CEIL: 25 ppm.
1-Methoxy 2-propanol	FOR-2011-12-06-1358 (Norway, 12/2022) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 180 mg/m ³ .
Xylene	FOR-2011-12-06-1358 (Norway, 12/2022) [xylen] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 108 mg/m ³ .
2-Methoxy-1-methylethyl acetate	FOR-2011-12-06-1358 (Norway, 12/2022) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 270 mg/m ³ .
1,2,4-trimethylbenzene	FOR-2011-12-06-1358 (Norway, 12/2022) TWA 8 hours: 100 mg/m ³ . TWA 8 hours: 20 ppm.
Toluene	FOR-2011-12-06-1358 (Norway, 12/2022) Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 94 mg/m³.
ate of issue/Date of revision : 14/01/20	025 Date of previous issue : 26/09/2024 Version : 1.01 26/67

	· · · · · · · · · · · · · · · · · · ·
<mark>ਯ</mark> -Butyl acetate	Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023)
Methylisobutylketone	TWA 8 hours: 240 mg/m ³ . STEL 15 minutes: 720 mg/m ³ . Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland,
Butan-1-ol	8/2023) TWA 8 hours: 83 mg/m ³ . STEL 15 minutes: 200 mg/m ³ . Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland,
acetone	 8/2023) Absorbed through skin. TWA 8 hours: 50 mg/m³. STEL 15 minutes: 150 mg/m³. Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023)
iso-butanol	TWA 8 hours: 600 mg/m ³ . STEL 15 minutes: 1800 mg/m ³ . Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland,
1-Methoxy 2-propanol	 8/2023) Absorbed through skin. TWA 8 hours: 100 mg/m³. STEL 15 minutes: 200 mg/m³. Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) Absorbed through skin. TWA 8 hours: 180 mg/m³.
Xylene	STEL 15 minutes: 360 mg/m ³ . Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) [xylene – mixed isomers (1,2-, 1,3-, 1,4-)] Absorbed through skin. TWA 8 hours: 100 mg/m ³ .
2-Methoxy-1-methylethyl acetate	STEL 15 minutes: 200 mg/m ³ . Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) Absorbed through skin. TWA 8 hours: 260 mg/m ³ . STEL 15 minutes: 520 mg/m ³ .
1,2,4-trimethylbenzene	STEL 15 minutes: 520 mg/m ³ . Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) [trimethyl benzene – mixed isomers (1,2,3-, 1,2,4- and 1,3,5-)] Absorbed through skin.
Date of issue/Date of revision : 14/01	/2025 Date of previous issue : 26/09/2024 Version : 1.01 27/67

AC EMAILLACK FM 3021-80 - All variants

	TWA 8 hours: 100 mg/m ³ .
	STEL 15 minutes: 170 mg/m ³ .
Toluene	Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentration and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland,
	8/2023) Absorbed through skin.
	TWA 8 hours: 100 mg/m ³ .
	STEL 15 minutes: 200 mg/m³.
A-Butyl acetate	Portuguese Institute of Quality (Portugal, 11/2014) TWA 8 hours: 150 ppm. STEL 15 minutes: 200 ppm.
Methylisobutylketone	Portuguese Institute of Quality (Portugal, 11/2014) A3. TWA 8 hours: 20 ppm.
Butan-1-ol	STEL 15 minutes: 75 ppm. Portuguese Institute of Quality (Portugal, 11/2014)
acetone	TWA 8 hours: 20 ppm. Portuguese Institute of Quality (Portugal, 11/2014) A4.
	TWA 8 hours: 500 ppm. STEL 15 minutes: 750 ppm.
so-butanol	Portuguese Institute of Quality (Portugal, 11/2014)
-Methoxy 2-propanol	TWA 8 hours: 50 ppm. Portuguese Institute of Quality (Portugal, 11/2014) A4. TWA 8 hours: 50 ppm.
	STEL 15 minutes: 100 ppm.
(ylene	Portuguese Institute of Quality (Portugal, 11/2014) [xileno
	(isómeros o, m & p)] A4. TWA 8 hours: 100 ppm.
	STEL 15 minutes: 150 ppm.
-Methoxy-1-methylethyl acetate	EU OEL (Europe, 1/2022) Absorbed through skin.
	TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 550 mg/m ³ .
l,2,4-trimethylbenzene	Portuguese Institute of Quality (Portugal, 11/2014) [trimetilbenzeno (mistura de isómeros)] TWA 8 hours: 25 ppm.
Foluene	Portuguese Institute of Quality (Portugal, 11/2014) A4. TWA 8 hours: 20 ppm.
-Butyl acetate	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2024)
	VLA 8 hours: 241 mg/m ³ . VLA 8 hours: 50 ppm.
	Short term 15 minutes: 723 mg/m ³ .
	Short term 15 minutes: 150 ppm.
Aethylisobutylketone	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024)
	VLA 8 hours: 83 mg/m^3 .
	VLA 8 hours: 20 ppm.
	Short term 15 minutes: 208 mg/m ³ . Short term 15 minutes: 50 ppm.
Butan-1-ol	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2024)
	VLA 8 hours: 100 mg/m ³ . VLA 8 hours: 33 ppm.
	Short term 15 minutes: 200 mg/m ³ .
	Short term 15 minutes: 66 ppm.
acetone	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2024) VLA 8 hours: 1210 mg/m ³ .
	VLA 8 hours: 500 ppm.
so-butanol	HG 1218/2006, Annex 1, with subsequent modifications and

	additions (Romania, 3/2024)
	VLA 8 hours: 100 mg/m ³ .
	VLA 8 hours: 33 ppm.
	Short term 15 minutes: 200 mg/m ³ .
	Short term 15 minutes: 66 ppm.
I-Methoxy 2-propanol	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) Absorbed through skin.
	VLA 8 hours: 375 mg/m^3 .
	VLA 8 hours: 100 ppm.
	Short term 15 minutes: 568 mg/m ³ .
	Short term 15 minutes: 150 ppm.
Kylene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2024) [xilen] Absorbed through skin. VLA 8 hours: 221 mg/m ³ .
	VLA 8 hours: 50 ppm.
	Short term 15 minutes: 442 mg/m ³ .
	Short term 15 minutes: 100 ppm.
Solvent naphtha (petroleum), light arom.	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2024) [Solvent nafta] Absorbed through
	VLA 8 hours: 100 mg/m³.
	Short term 15 minutes: 200 mg/m ³ .
2-Methoxy-1-methylethyl acetate	HG 1218/2006, Annex 1, with subsequent modifications and
เพียนเป็นหาา-เมียนเหมือนเหมือเป็นไข้	additions (Romania, 3/2024) Absorbed through skin.
	VLA 8 hours: 275 mg/m ³ .
	VLA 8 hours: 50 ppm.
	Short term 15 minutes: 550 mg/m ³ . Short term 15 minutes: 100 ppm.
1.0.4 trime attack and an and	
I,2,4-trimethylbenzene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2024)
	VLA 8 hours: 100 mg/m ³ . VLA 8 hours: 20 ppm.
Foluene	HG 1218/2006, Annex 1, with subsequent modifications and
oldene	additions (Romania, 3/2024) R2. Absorbed through skin.
	VLA 8 hours: 192 mg/m^3 .
	VLA 8 hours: 50 ppm.
	Short term 15 minutes: 384 mg/m ³ .
	Short term 15 minutes: 100 ppm.
-Butyl acetate	Government regulation SR c. 355/2006 (Slovakia, 7/2024)
	[butylacetáty] Inhalation sensitiser.
	TWA 8 hours: 241 mg/m ³ (Butyl acetates).
	TWA 8 hours: 50 ppm (Butyl acetates).
	STEL 15 minutes: 723 mg/m ³ (Butyl acetates).
	STEL 15 minutes: 150 ppm (Butyl acetates).
Methylisobutylketone	Government regulation SR c. 355/2006 (Slovakia, 7/2024)
	Absorbed through skin, Inhalation sensitiser.
	TWA 8 hours: 83 mg/m ³ .
	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm.
	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m ³ .
3utan-1-ol	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m ³ . STEL 15 minutes: 40 ppm.
Butan-1-ol	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m ³ . STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024)
3utan-1-ol	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m ³ . STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser.
3utan-1-ol	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m ³ . STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m ³ (Butyl alkohols).
Butan-1-ol acetone	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m ³ . STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m ³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols).
	TWA 8 hours: 83 mg/m ³ . TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m ³ . STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m ³ (Butyl alkohols).
	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024)
	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser.
	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser. TWA 8 hours: 100 ppm (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). TWA 8 hours: 1210 mg/m³.
acetone	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser. TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser. TWA 8 hours: 1210 mg/m³. TWA 8 hours: 500 ppm.
acetone	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser. TWA 8 hours: 1210 mg/m³. TWA 8 hours: 500 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024)
acetone	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser. TWA 8 hours: 1210 mg/m³. TWA 8 hours: 500 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser.
acetone so-butanol	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser. TWA 8 hours: 1210 mg/m³. TWA 8 hours: 500 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 500 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 500 ppm.
acetone	 TWA 8 hours: 83 mg/m³. TWA 8 hours: 20 ppm. STEL 15 minutes: 166 mg/m³. STEL 15 minutes: 40 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 310 mg/m³ (Butyl alkohols). TWA 8 hours: 100 ppm (Butyl alkohols). Government regulation SR c. 355/2006 (Slovakia, 7/2024) Inhalation sensitiser. TWA 8 hours: 1210 mg/m³. TWA 8 hours: 500 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 500 ppm. Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylalkoholy] Inhalation sensitiser. TWA 8 hours: 500 ppm.

	Government regulation SR c. 355/2006 (Slovakia, 7/2024) Absorbed through skin , Inhalation sensitiser. TWA 8 hours: 375 mg/m ³ .
	TWA 8 hours: 100 ppm.
	STEL 15 minutes: 568 mg/m^3 .
	STEL 15 minutes: 150 ppm.
Xylene	Government regulation SR c. 355/2006 (Slovakia, 7/2024)
,	[xylén, zmiešané izoméry] Absorbed through skin, Inhalation
	sensitiser.
	TWA 8 hours: 221 mg/m ³ (xylene, mixed isomers).
	TWA 8 hours: 50 ppm (xylene, mixed isomers).
	STEL 15 minutes: 442 mg/m ³ (xylene, mixed isomers).
	STEL 15 minutes: 100 ppm (xylene, mixed isomers).
2-Methoxy-1-methylethyl acetate	Government regulation SR c. 355/2006 (Slovakia, 7/2024)
	Absorbed through skin, Inhalation sensitiser.
	TWA 8 hours: 275 mg/m ³ . TWA 8 hours: 50 ppm.
	STEL 15 minutes: 550 mg/m^3 .
	STEL 15 minutes: 100 ppm.
1,2,4-trimethylbenzene	Government regulation SR c. 355/2006 (Slovakia, 7/2024)
· ,_ , · · · · · · · · · · · · · · · · ·	[trimetylbenzén, všetky izoméry] Inhalation sensitiser.
	TWA 8 hours: 100 mg/m³ (Trimethylbenzene, all isomers).
	TWA 8 hours: 20 ppm (Trimethylbenzene, all isomers).
Toluene	Government regulation SR c. 355/2006 (Slovakia, 7/2024)
	Absorbed through skin , Inhalation sensitiser.
	TWA 8 hours: 192 mg/m ³ .
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 384 mg/m ³ . STEL 15 minutes: 100 ppm.
p-Butyl acetate	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 4/2024) TWA 8 hours: 241 mg/m ³ .
	TWA 8 hours: 50 ppm.
	KTV 15 minutes: 723 mg/m ³ 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
	KTV 15 minutes: 150 ppm 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
Methylisobutylketone	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 4/2024)
	Absorbed through skin.
	TWA 8 hours: 83 mg/m ³ .
	TWA 8 hours: 20 ppm. KTV 15 minutes: 208 mg/m ³ 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
	KTV 15 minutes: 50 ppm 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
Butan-1-ol	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 4/2024)
	TWA 8 hours: 310 mg/m ³ .
	TWA 8 hours: 100 ppm.
	KTV 15 minutes: 310 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
	KTV 15 minutes: 100 ppm 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
acetone	Regulation on protection of workers from the risks related to
	exposure to chemical substances at work (Slovenia, 4/2024)
	TWA 8 hours: 1210 mg/m ³ .
	TWA 8 hours: 500 ppm.
	KTV 15 minutes: 1000 ppm 4 times per shift [time between two
	exposure events at this concentration must be at least 60 minutes].
	exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 2420 mg/m ³ 4 times per shift [time between two
iso-butanol	exposure events at this concentration must be at least 60 minutes].

	-	
		Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) TWA 8 hours: 310 mg/m ³ .
		TWA 8 hours: 100 ppm. KTV 15 minutes: 310 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 100 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
	1-Methoxy 2-propanol	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) Absorbed through skin.
		TWA 8 hours: 375 mg/m ³ . TWA 8 hours: 100 ppm. KTV 15 minutes: 568 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 150 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
	Xylene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) [ksilen] Absorbed through skin.
		TWA 8 hours: 221 mg/m ³ . TWA 8 hours: 50 ppm. KTV 15 minutes: 442 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 100 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
	2-Methoxy-1-methylethyl acetate	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) Absorbed through skin. TWA 8 hours: 275 mg/m ³ .
		TWA 8 hours: 50 ppm. KTV 15 minutes: 550 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 100 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
	1,2,4-trimethylbenzene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) TWA 8 hours: 100 mg/m ³ . TWA 8 hours: 20 ppm.
		KTV 15 minutes: 40 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 200 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
	Toluene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) Repr Dev 2. Absorbed through skin. TWA 8 hours: 192 mg/m ³ . TWA 8 hours: 50 ppm.
		KTV 15 minutes: 384 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 100 ppm 4 times per shift [time between two
	<mark>∳</mark> -Butyl acetate	exposure events at this concentration must be at least 60 minutes]. National institute of occupational safety and health (Spain, 1/2024) TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 150 ppm.
	Methylisobutylketone	STEL 15 minutes: 723 mg/m ³ . National institute of occupational safety and health (Spain, 1/2024)
		TWA 8 hours: 20 ppm. TWA 8 hours: 83 mg/m ³ . STEL 15 minutes: 50 ppm. STEL 15 minutes: 208 mg/m ³ .
D	ate of issue/Date of revision : 14/01/2025	Date of previous issue : 26/09/2024 Version : 1.01 31/67

	Butan-1-ol	National institute of occupational safety and health (Spain, 1/2024)
		STEL 15 minutes: 50 ppm. STEL 15 minutes: 154 mg/m ³ . TWA 8 hours: 20 ppm.
		TWA 8 hours: 61 mg/m ³ .
	acetone	National institute of occupational safety and health (Spain, 1/2024)
		TWA 8 hours: 500 ppm.
	iso-butanol	TWA 8 hours: 1210 mg/m ³ . National institute of occupational safety and health (Spain,
		1/2024) TWA 8 hours: 50 ppm.
		TWA 8 hours: 154 mg/m ³ .
	1-Methoxy 2-propanol	National institute of occupational safety and health (Spain, 1/2024) Absorbed through skin. TWA 8 hours: 100 ppm.
		TWA 8 hours: 375 mg/m ³ .
		STEL 15 minutes: 150 ppm.
	Yulan a	STEL 15 minutes: 568 mg/m ³ .
	Xylene	National institute of occupational safety and health (Spain, 1/2024) [xileno, mezcla isómeros] Absorbed through skin. TWA 8 hours: 50 ppm.
		TWA 8 hours: 221 mg/m ³ .
		STEL 15 minutes: 100 ppm.
		STEL 15 minutes: 442 mg/m ³ .
	2-Methoxy-1-methylethyl acetate	National institute of occupational safety and health (Spain, 1/2024) Absorbed through skin.
		TWA 8 hours: 50 ppm.
		TWA 8 hours: 275 mg/m ³ .
		STEL 15 minutes: 100 ppm.
	1,2,4-trimethylbenzene	STEL 15 minutes: 550 mg/m ³ . National institute of occupational safety and health (Spain,
	1,2,4-unneurybenzene	1/2024) TWA 8 hours: 20 ppm.
		TWA 8 hours: 100 mg/m^3 .
	Toluene	National institute of occupational safety and health (Spain, 1/2024) Absorbed through skin.
		TWA 8 hours: 50 ppm. TWA 8 hours: 192 mg/m ³ .
		STEL 15 minutes: 100 ppm.
		STEL 15 minutes: 384 mg/m ³ .
	-Butyl acetate	Work environment authority Regulation 2018:1 (Sweden,
		11/2022) [butyl acetate]
		TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m ³ .
		STEL 15 minutes: 150 ppm.
		STEL 15 minutes: 723 mg/m ³ .
	Methylisobutylketone	Work environment authority Regulation 2018:1 (Sweden, 11/2022)
		TWA 8 hours: 20 ppm.
		TWA 8 hours: 83 mg/m ³ . STEL 15 minutes: 50 ppm.
		STEL 15 minutes: 200 mg/m ³ .
	Butan-1-ol	Work environment authority Regulation 2018:1 (Sweden,
		11/2022) Absorbed through skin.
		TWA 8 hours: 15 ppm. TWA 8 hours: 45 mg/m ³ .
		STEL 15 minutes: 30 ppm.
		STEL 15 minutes: 90 mg/m ³ .
	acetone	Work environment authority Regulation 2018:1 (Sweden,
D	ate of issue/Date of revision : 14/01/2025 Date of issue/Date of revision : 14/01/2025 Date of issue of the second	ate of previous issue : 26/09/2024 Version : 1.01 32/67

	11/2022)
	TWA 8 hours: 250 ppm.
	TWA 8 hours: 600 mg/m^3 .
	STEL 15 minutes: 500 ppm.
	STEL 15 minutes: 1200 mg/m ³ .
so-butanol	Work environment authority Regulation 2018:1 (Sweden,
	11/2022) Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 150 mg/m ³ .
	STEL 15 minutes: 75 ppm.
	STEL 15 minutes: 250 mg/m ³ .
1-Methoxy 2-propanol	Work environment authority Regulation 2018:1 (Sweden,
	11/2022) Absorbed through skin.
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 568 mg/m ³ .
	TWA 8 hours: 190 mg/m ³ .
	TWA 8 hours: 50 ppm.
Xylene	Work environment authority Regulation 2018:1 (Sweden,
	11/2022) [xylene] Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 442 mg/m ³ .
2-Methoxy-1-methylethyl acetate	Work environment authority Regulation 2018:1 (Sweden,
	11/2022) Absorbed through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 275 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 550 mg/m ³ .
1,2,4-trimethylbenzene	Work environment authority Regulation 2018:1 (Sweden,
·,_, · · ················	11/2022) [trimethyl benzene]
	TWA 8 hours: 20 ppm.
	TWA 8 hours: 100 mg/m^3 .
	STEL 15 minutes: 35 ppm.
	STEL 15 minutes: 170 mg/m ³ .
Toluene	Work environment authority Regulation 2018:1 (Sweden,
	11/2022) Absorbed through skin, Ototoxicant.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 192 mg/m^3 .
	STEL 15 minutes: 100 ppm.
	SUVA (Switzerland, 38/2024)
n-Butyl acetate	
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 240 mg/m ³ .
	STEL 15 minutes: 150 ppm.
N 4 - 41 - 11 - 11 - 14 - 11 - 14	STEL 15 minutes: 720 mg/m ³ .
Methylisobutylketone	SUVA (Switzerland, 1/2024) Absorbed through skin.
	TWA 8 hours: 20 ppm.
	TWA 8 hours: 82 mg/m ³ .
	STEL 15 minutes: 40 ppm.
	STEL 15 minutes: 164 mg/m ³ .
Butan-1-ol	SUVA (Switzerland, 1/2024)
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 310 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 310 mg/m ³ .
acetone	SUVA (Switzerland, 1/2024)
	TWA 8 hours: 500 ppm.
	TWA 8 hours: 1200 mg/m ³ .
	STEL 15 minutes: 1000 ppm.
	STEL 15 minutes: 2400 mg/m ³ .
iso-butanol	SUVA (Switzerland, 1/2024)
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 150 mg/m ³ .

AC EMAILLACK FM 3021-80 - All variants

SECTION 8: Exposure controls/personal protection		
	STEL 15 minutes: 50 ppm. STEL 15 minutes: 150 mg/m ³ .	
1-Methovy 2-propagol	SUVA (Switzerland, 1/2024)	
1-Methoxy 2-propanol	TWA 8 hours: 100 ppm.	
	TWA 8 hours: 360 mg/m^3 .	
	STEL 15 minutes: 200 ppm.	
	STEL 15 minutes: 720 mg/m ³ .	
Xylene	SUVA (Switzerland, 1/2024) [Xylol] Absorbed through skin.	
	TWA 8 hours: 50 ppm.	
	TWA 8 hours: 220 mg/m ³ .	
	STEL 15 minutes: 100 ppm.	
	STEL 15 minutes: 440 mg/m ³ .	
2-Methoxy-1-methylethyl acetate	SUVA (Switzerland, 1/2024)	
	TWA 8 hours: 50 ppm. TWA 8 hours: 275 mg/m³.	
	STEL 15 minutes: 50 ppm.	
	STEL 15 minutes: 275 mg/m ³ .	
1,2,4-trimethylbenzene	SUVA (Switzerland, 1/2024) [Trimethylbenzol]	
	TWA 8 hours: 20 ppm.	
	TWA 8 hours: 100 mg/m ³ .	
	STEL 15 minutes: 40 ppm.	
	STEL 15 minutes: 200 mg/m ³ .	
Toluene	SUVA (Switzerland, 1/2024) Develop 2. Absorbed through skin,	
	Ototoxicant.	
	TWA 8 hours: 50 ppm.	
	TWA 8 hours: 190 mg/m³. STEL 15 minutes: 200 ppm.	
	STEL 13 minutes: 200 ppm. STEL 15 minutes: 760 mg/m ³ .	
-Butyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020) STEL 15 minutes: 966 mg/m ³ .	
	STEL 15 minutes: 900 mg/m .	
	TWA 8 hours: 724 mg/m ³ .	
	TWA 8 hours: 150 ppm.	
Methylisobutylketone	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed	
	through skin.	
	STEL 15 minutes: 416 mg/m ³ .	
	STEL 15 minutes: 100 ppm.	
	TWA 8 hours: 208 mg/m ³ .	
	TWA 8 hours: 50 ppm.	
Butan-1-ol	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed	
	through skin. STEL 15 minutes: 154 mg/m³.	
	STEL 15 minutes: 154 mg/m . STEL 15 minutes: 50 ppm.	
acetone	EH40/2005 WELs (United Kingdom (UK), 1/2020)	
acelone	STEL 15 minutes: 3620 mg/m ³ .	
	STEL 15 minutes: 1500 ppm.	
	TWA 8 hours: 500 ppm.	
	TWA 8 hours: 1210 mg/m ³ .	
iso-butanol	EH40/2005 WELs (United Kingdom (UK), 1/2020)	
	STEL 15 minutes: 231 mg/m ³ .	
	STEL 15 minutes: 75 ppm.	
	TWA 8 hours: 154 mg/m ³ .	
Mathewy 2 propagal	TWA 8 hours: 50 ppm.	
I-Methoxy 2-propanol	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin.	
	STEL 15 minutes: 560 mg/m ³ .	
	STEL 15 minutes: 150 ppm.	
	TWA 8 hours: 375 mg/m ³ .	
	TWA 8 hours: 100 ppm.	
Kylene	EH40/2005 WELs (United Kingdom (UK), 1/2020) [xylene, o-,m	
	p- or mixed isomers] Absorbed through skin.	

SECTION 8: Exposure controls/personal protection		
	STEL 15 minutes: 441 mg/m ³ . TWA 8 hours: 50 ppm.	
	TWA 8 hours: 220 mg/m ³ .	
	STEL 15 minutes: 100 ppm.	
2-Methoxy-1-methylethyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed	
	through skin.	
	STEL 15 minutes: 548 mg/m ³ .	
	TWA 8 hours: 50 ppm.	
	TWA 8 hours: 274 mg/m ³ .	
	STEL 15 minutes: 100 ppm.	
1,2,4-trimethylbenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020)	
	[trimethylbenzenes, all isomers or mixtures]	
	TWA 8 hours: 25 ppm.	
	TWA 8 hours: 125 mg/m ³ .	
Toluene	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed	
	through skin.	
	STEL 15 minutes: 384 mg/m ³ .	
	TWA 8 hours: 191 mg/m ³ .	
	TWA 8 hours: 50 ppm.	
	STEL 15 minutes: 100 ppm.	

Biological exposure indices

Product/ingredient name	Exposure indices
¥ylene	VGU BEI (Austria, 9/2020) [xylenes]
	BEI Fitness: 1000 μg/l, xylene [in blood]. Sampling time: one yea
	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 yea
	BEI Fitness: 0.8 mg/l, o-cresol [in urine]. Sampling time: one yea
	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
	vear.
	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.
	BEI Fitness - men: 3.8 million/µl, erythrocytes [in blood]. Samplir
	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.
No exposure indices known.	
acetone	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024)
	BLV: 80 mg/l, acetone [in urine]. Sampling time: at the end of the
	exposure or at the end of the work shift.
Toluene	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 4/2024)
	BLV: 1.6 mmol/mmol creatinine, hippuric acid [in urine]. Samplin
	time: at the end of the exposure or at the end of the work shift.
te of issue/Date of revision : 14/01/202	5 Date of previous issue : 26/09/2024 Version : 1.01 35/6

AC EMAILLACK FM 3021-80 - All variants

SECTION 8: Exposure controls/personal protection		
Methylisobutylketone	Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) BEI: 3.5 mg/l, 4-methylpentan-2-one [in urine]. Sampling time: not critical. BEI: 35 nmol/l, 4-methylpentan-2-one [in urine]. Sampling time: not critical.	
acetone	Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) BEI: 20 mg/g creatinine, acetone [in urine]. Sampling time: at the end of the work shift. BEI: 39 mmol/mol creatinine, acetone [in urine]. Sampling time: at the end of the work shift. BEI: 20 mg/l, acetone [in blood]. Sampling time: at the end of the work shift. BEI: 0.34 mmol/l, acetone [in blood]. Sampling time: at the end of the work shift.	
Xylene	Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) [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.	
1,2,4-trimethylbenzene	Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) [trimethylbenzene (all isomers including mesitylene)] BEI: 400 mg/g creatinine, dimethylbenzoic acid [in urine]. Sampling time: at the end of the work shift (in case of chronic exposure in the middle of the working week).	
Toluene	 Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) 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. 	
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.
	No exposure indices known.	
	No exposure indices known.	
	No exposure indices known.	
	X 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.
	Poluene	Biological limit values (BLV) - Labour Code / ANSES (France, 4/2023) BLV: 30 μg/l, toluene [in urine]. Sampling time: at the end of the shift.
		BLV: 20 μ g/l, toluene [in blood]. Sampling time: at the beginning of the shift and at the end of the week. BLV: 300 μ g/g Cr, ortho-cresol [in urine]. Sampling time: end of shift and weekend.
	Methylisobutylketone	 DFG BEI-values list (Germany, 7/2023) Notes: danger from percutaneous absorption (see p. 211 and p. 228). BEI: 0.7 mg/l, hexone [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) BEI: 0.7 mg/l, 4-methylpentan-2-one [in urine]. Sampling time: end of exposure or end of shift.
	Butan-1-ol	 DFG BEI-values list (Germany, 7/2023) BEI: 2 mg/g creatinine, 1-butanol [in urine]. Sampling time: at the beginning of the next shift. BEI: 10 mg/g creatinine, 1-butanol [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) BEI: 2 mg/g creatinine, butan-1-ol (butanol-1) (after hydrolysis) [in urine]. Sampling time: at the beginning of the next shift.
	acetone	 BEI: 10 mg/g creatinine, butan-1-ol (butanol-1) (after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift. DFG BEI-values list (Germany, 7/2023) BEI: 50 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) BEI: 50 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift.
D	ate of issue/Date of revision : 14/01/2025 D	ate of previous issue : 26/09/2024 Version : 1.01 37/67

Ś	SECTION 8: Exposure controls/personal protection			
	1-Methoxy 2-propanol		DFG BEI-values list (Germany, 7/2023) BEI: 15 mg/l, propylene glycol 1-methyl ether [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) BEI: 15 mg/l, 1-methoxypropan-2-ol [in urine]. Sampling time: end of exposure or end of shift.	
	Xylene		 DFG BEI-values list (Germany, 7/2023) [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, 2/2024) [Xylene (all isomers)] BEI: 2000 mg/l, methylhippuric acid [in urine]. Sampling time: end of exposure or end of shift. 	
	1,2,4-trimethylbenzene		 DFG BEI-values list (Germany, 7/2023) [Trimethylbenzene (all isomers)] BEI: 400 mg/g creatinine, dimethyl benzoic acids (sum of isomers after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift / for long-term exposures: at the end of the shift after several shifts. TRGS 903 - BEI Values (Germany, 2/2024) [Trimethylbenzene] BEI: 400 mg/g creatinine, dimethylbenzoic acids (sum of isomers after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift; for long-term exposures: at the end of shift after several shifts. 	
	Toluene		 DFG BEI-values list (Germany, 7/2023) 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, 2/2024) BEI: 600 µg/l, toluene [in whole blood]. Sampling time: immediately after exposure. BEI: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift; for long-term exposures: at the end of shift. 	
	No exposure indices known. Methylisobutylketone		5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) BEI: 35 μmol/l, methyl-iso-butyl-ketone [in urine]. Sampling time: at the end of the shift. BEI: 3.5 mg/l, methyl-iso-butyl-ketone [in urine]. Sampling time: at the end of the shift.	
	Butan-1-ol		 5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) BEI: 15 µmol/mmol creatinine, n-butyl-alcohol (after hydrolysis) [in urine]. Sampling time: at the end of the shift. BEI: 10 mg/g creatinine, n-butyl-alcohol (after hydrolysis) [in urine]. Sampling time: at the end of the shift. BEI: 3 µmol/mmol creatinine, n-butyl-alcohol (after hydrolysis) [in urine]. Sampling time: before the next shift. BEI: 2 mg/g creatinine, n-butyl-alcohol (after hydrolysis) [in urine]. Sampling time: before the next shift. 	
Ľ	l Date of issue/Date of revision	: 14/01/2025	Date of previous issue : 26/09/2024 Version : 1.01 38/67	

SECTION 8: Exposure controls/personal protection acetone 5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) BEI: 1380 µmol/l, acetone [in urine]. Sampling time: at the end of the shift. BEI: 80 mg/l, acetone [in urine]. Sampling time: at the end of the shift. **Xylene** 5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) [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, 12/2023) BEI: 1 mg/g creatinine, o-cresol [in urine]. Sampling time: at the end of the shift. BEI: 1 µmol/mmol creatinine, o-cresol [in urine]. Sampling time: at the end of the shift. No exposure indices known. Methylisobutylketone NAOSH (Ireland, 1/2011) BMGV: 1 mg/l, MIBK [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases. acetone NAOSH (Ireland, 1/2011) BMGV: 50 mg/l, acetone [in urine]. Sampling time: end of shift -As soon as possible after exposure ceases. **Xylene** NAOSH (Ireland, 1/2011) [Xylene] BMGV: 1.5 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases. 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. No exposure indices known. acetone Minister Cabinet Regulations No.325 - BEI (Latvia, 3/2024) BEI: 80 mg/l, acetone [in urine]. Sampling time: at the end of the exposure or at the end of the shift. **Xylene** Minister Cabinet Regulations No.325 - BEI (Latvia, 3/2024) [xylenes (all isomers)] BEI: 2000 mg/l, methylhippuric (toluric) acid (all isomers) [in urine]. Sampling time: at the end of the exposure or at the end of the shift. Toluene Minister Cabinet Regulations No.325 - BEI (Latvia, 3/2024) BEI: 600 µg/l, toluene [in blood]. Sampling time: at the end of the exposure. BEI: 75 µg/l, toluene [in urine]. Sampling time: end of the shift. BEI: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time: at the end of the exposure or at the end of the shift. No exposure indices known. No exposure indices known. No exposure indices known.

Date of issue/Date of revision AC EMAILLACK FM 3021-80 - All variants

: 14/01/2025

No exposure indices known. No exposure indices known. No exposure indices known.

> · 26/09/2024 Date of previous issue

Version : 1.01 39/67 Label No:85722

SECTION 8: Exposure of	controls/p	ersonal protec	tion	
Methylisobutylketone		-	ite of Quality (Portug /lisobutylketone (MIBK	al, 11/2014)) [in urine]. Sampling time:
acetone			ute of Quality (Portug one [in urine]. Samplin	
Xylene			nine, (o, m, p) -methyl-	al, 11/2014) [Xylenes] boronic acids [in urine].
Toluene		BEI: 0.3 mg/g crea shift. BEI: 0.03 mg/l, tol	uene [in urine]. Sampli uene [in blood]. Sampl	ne]. Sampling time: end of
z cetone		additions (Roman	nex 2, with subseque ia, 3/2024) cetone [in urine]. Samp	
Xylene		additions (Roman	nex 2, with subseque ia, 3/2024) [Xylene] ylhippuric acid [in urine	nt modifications and
Toluene		additions (Roman OBLV: 3 mg/l, o-c	resol [in urine]. Sampli	
Methylisobutylketone		BLV: 2.67 µmol/m time: at the end of e BLV: 2.36 mg/g cr the end of exposure BLV: 35.4 µmol/l, exposure or work s	e or work shift. as hexon [in urine]. Sa hift. hexon [in urine]. Samp	on [in urine]. Sampling
Butan-1-ol		BLV: 15.34 µmol/n Sampling time: at th BLV: 10 mg/g crea time: at the end of BLV: 3.13 µmol/m Sampling time: before	exposure or work shift. mol creatinine, as n-bu ore the next work shift. inine, as n-butyl alcoho	outyl alcohol [in urine]. work shift. nol [in urine]. Sampling utyl alcohol [in urine].
acetone		BLV: 103.9 µmol/i time: at the end of e BLV: 53.36 mg/g e at the end of expos BLV: 1378 µmol/i, of exposure or work	exposure or work shift. creatinine, as acetone ure or work shift. as acetone [in urine]. < shift. acetone [in urine]. Sam	(Slovakia, 5/2024) etone [in urine]. Sampling [in urine]. Sampling time: Sampling time: at the end pling time: at the end of
Xylene		[xylene, all isomer BLV: 781 µmol/mi	nol creatinine, as sum	(Slovakia, 5/2024) of 2,3,4-methylhippuroic of exposure or work shift.
Date of issue/Date of revision	: 14/01/2025	ate of previous issue	: 26/09/2024	Version : 1.01 40/67

	BLV: 1334 mg/g creatinine, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 10355 µmol/l, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 14.6 µmol/l, as xylene [in blood]. Sampling time: at the end of exposure or work shift. BLV: 2000 mg/l, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, as xylene [in blood]. Sampling time: at the end of exposure or work shift.
Toluene	 Government regulation SR c. 355/2006 (Slovakia, 5/2024) BLV: 1010 μmol/mmol creatinine, as hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.08 μmol/mmol creatinine, as 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, as hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 103 mg/g creatinine, as o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1.03 mg/g creatinine, as 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, as hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 14.3 μmol/l, as 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, as toluene [in blood]. Sampling time: at the end of exposure or work shift. BLV: 2401 mg/l, as hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, as o-cresol [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, as o-cresol [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, as o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 600 µg/l, as toluene [in blood]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.
Methylisobutylketone	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) BAT: 0.7 mg/l, 4-methylpentan-2-one [in urine]. Sampling time: at the end of the work shift.
Butan-1-ol	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) BAT: 10 mg/g creatinine, 1-butanol (after hydrolysis) [in urine]. Sampling time: at the end of the work shift. BAT: 2 mg/g creatinine, 1-butanol (after hydrolysis) [in urine]. Sampling time: before the work shift.
acetone	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) BAT: 80 mg/l, acetone [in urine]. Sampling time: at the end of the work shift.
1-Methoxy 2-propanol	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) BAT: 15 mg/l, 1-methoxypropan-2-ol [in urine]. Sampling time: at the end of the work shift.
Xylene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) [xylene (all isomers)] BAT: 2 g/l, methylhippuric acid (all isomers) [in urine]. Sampling
Date of issue/Date of revision : 14/01/2025	Date of previous issue : 26/09/2024 Version : 1.01 41/67

	time: at the end of the work shift.
1,2,4-trimethylbenzene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) [trimethylbenzene (all isomers)] BAT: 400 mg/g creatinine, dimethylbenzoic acid (all isomers after hydrolysis) [in urine]. Sampling time: at the end of the work shift, at long-term exposure: at the end of the work shift after several consecutive workdays.
Toluene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) BAT: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time at the end of the work shift, at long-term exposure: at the end of the work shift after several consecutive workdays. BAT: 600 μ g/l, toluene [in blood]. Sampling time: immediately after exposure. BAT: 75 μ g/l, toluene [in urine]. Sampling time: at the end of the work shift.
Methylisobutylketone	National institute of occupational safety and health (Spain,
	1/2024) VLB: 1 mg/l, methyl isobutyl ketone [in urine]. Sampling time: enc of shift.
acetone	National institute of occupational safety and health (Spain, 1/2024) VLB: 50 mg/l, acetone [in urine]. Sampling time: end of shift.
Xylene	National institute of occupational safety and health (Spain, 1/2024) [Xylenes] VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
Toluene	National institute of occupational safety and health (Spain, 1/2024) VLB: 0.05 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek. VLB: 0.6 mg/g creatinine, o-cresol [in urine]. Sampling time: end of shift. VLB: 0.08 mg/l, toluene [in urine]. Sampling time: end of shift.
No exposure indices known.	
Methylisobutylketone	SUVA (Switzerland, 1/2024) BEI: 0.7 mg/l, 4-methylpentan-2-one [in urine]. Sampling time: immediately after exposure or after working hours.
Butan-1-ol	SUVA (Switzerland, 1/2024) BEI: 2 mg/g creatinine, n-butanol [in urine]. Sampling time: befor the next shift or 4pm.
acetone	SUVA (Switzerland, 1/2024) BEI: 50 mg/l, acetone [in urine]. Sampling time: immediately after exposure or after working hours. BEI: 0.86 mmol/l, acetone [in urine]. Sampling time: immediately after exposure or after working hours.
1-Methoxy 2-propanol	SUVA (Switzerland, 1/2024) BEI: 20 mg/l, 1-methoxypropanol-2 [in urine]. Sampling time: immediately after exposure or after working hours. BEI: 221.9 μmol/l, 1-methoxypropanol-2 [in urine]. Sampling time immediately after exposure or after working hours.
Xylene	SUVA (Switzerland, 1/2024) [Xylene, all isomers] BEI: 2 g/I, methyl hippuric acid [in urine]. Sampling time:

SECTION 8: Exposure	e controls/personal protection
	immediately after exposure or after working hours.
Toluene	 SUVA (Switzerland, 1/2024) BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 4.62 μmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 4.62 μmol/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 6.00 μg/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 6.48 μmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 6.48 μmol/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.
Methylisobutylketone	EH40/2005 BMGVs (United Kingdom (UK), 1/2020) BGV: 20 μmol/Ι, 4-methylpentan-2-one [in urine]. Sampling time: post shift.
Xylene	EH40/2005 BMGVs (United Kingdom (UK), 1/2020) [Xylene, o-, m-, p- or mixed isomers] BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. Sampling time: post shift.
Recommended monitoring procedures	: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
DNELs/DMELs	Descrit
Product/ingredient name P-Butyl acetate	Result DNEL - General population - Long term - Oral 2 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Short term - Oral 2 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 3.4 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Short term - Dermal 6 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Dermal 7 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Short term - Dermal 11 mg/kg bw/day

Date of issue/Date of revision	: 14/01/202
AC EMAILLACK FM 3021-80 -	All variants

25 Date of previous issue

Effects: Systemic

DNEL - General population - Long term - Inhalation 12 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 35.7 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 48 mg/m³ Effects: Systemic

DNEL - General population - Short term - Inhalation 300 mg/m³ <u>Effects</u>: Local

DNEL - General population - Short term - Inhalation 300 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 300 mg/m³ <u>Effects</u>: Local

DNEL - Workers - Short term - Inhalation 600 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation 600 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 4.2 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 11.8 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 14.7 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation 14.7 mg/m³ Effects: Systemic

DNEL - Workers - Long term - Inhalation 83 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 83 mg/m³ Effects: Systemic

DNEL - General population - Short term - Inhalation 155.2 mg/m³ <u>Effects</u>: Local

DNEL - General population - Short term - Inhalation 155.2 mg/m³ <u>Effects</u>: Systemic

Methylisobutylketone

Date of issue/Date of revision: 14/01/2025AC EMAILLACK FM 3021-80 - All variants

25 Date of previous issue

SECTION 8: Exposure cont	· · · ·
	DNEL - Workers - Short term - Inhalation 208 mg/m³ <u>Effects</u> : Local
	DNEL - Workers - Short term - Inhalation 208 mg/m³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Oral 4.2 mg/kg bw/day <u>Effects</u> : Systemic
Butan-1-ol	DNEL - General population - Long term - Oral 1.5625 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 3.125 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalation 55.357 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalation 155 mg/m ³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 310 mg/m³ <u>Effects</u> : Local
acetone	DNEL - General population - Long term - Oral 62 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 62 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Dermal 186 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalation 200 mg/m ³ Effects: Systemic
	DNEL - Workers - Long term - Inhalation 1210 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Short term - Inhalation 2420 mg/m³ <u>Effects</u> : Local
iso-butanol	DNEL - General population - Long term - Inhalation 55 mg/m ³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 310 mg/m³ <u>Effects</u> : Local
1-Methoxy 2-propanol	DNEL - General population - Long term - Oral 33 mg/kg bw/day
Date of issue/Date of revision : 14/0	01/2025 Date of previous issue : 26/09/2024 Version : 1.01 45

Effects: Systemic

DNEL - General population - Long term - Inhalation 43.9 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 78 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 183 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 369 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 553.5 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation 553.5 mg/m³ Effects: Systemic

DNEL - General population - Long term - Oral 5 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 65.3 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation 65.3 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 125 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 212 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 221 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 221 mg/m³ Effects: Systemic

DNEL - General population - Short term - Inhalation 260 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation 260 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 442 mg/m³ Effects: Local

Xylene

25 Date of previous issue

	DNEL - Workers - Short term - Inhalation 442 mg/m³ <u>Effects</u> : Systemic
Solvent naphtha (petroleum), light arom.	DNEL - General population - Long term - Inhalation 0.41 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 1.9 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Inhalation 178.57 mg/m ³ <u>Effects</u> : Local
	DNEL - General population - Short term - Inhalation 640 mg/m³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Inhalation 837.5 mg/m³ <u>Effects</u> : Local
	DNEL - Workers - Short term - Inhalation 1066.67 mg/m³ <u>Effects</u> : Local
	DNEL - General population - Short term - Inhalatio 1152 mg/m ³ <u>Effects</u> : Systemic
	DNEL - Workers - Short term - Inhalation 1286.4 mg/m ³ <u>Effects</u> : Systemic
P-Methoxy-1-methylethyl acetate	DNEL - General population - Long term - Inhalation 33 mg/m ³ <u>Effects</u> : Local
	DNEL - General population - Long term - Inhalation 33 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Oral 36 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Long term - Inhalation 275 mg/m ³ <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 320 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - Workers - Short term - Inhalation 550 mg/m³ <u>Effects</u> : Local
	DNEL - Workers - Long term - Dermal 796 mg/kg bw/day <u>Effects</u> : Systemic
1,2,4-trimethylbenzene	DNEL - General population - Long term - Oral 15 mg/kg bw/day

Effects: Systemic

DNEL - General population - Short term - Inhalation 29.4 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation 29.4 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 100 mg/m³ <u>Effects</u>: Local

DNEL - Workers - Short term - Inhalation 100 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 16171 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 29.4 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation 29.4 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 100 mg/m³ <u>Effects</u>: Local

DNEL - Workers - Long term - Inhalation 100 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 9512 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Oral 8.13 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 56.5 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation 56.5 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 192 mg/m³ Effects: Local

DNEL - Workers - Long term - Inhalation 192 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 226 mg/kg bw/day <u>Effects</u>: Systemic

Toluene

D25 Date of previous issue

DNEL - General population - Short term - Inhalation 226 mg/m³ <u>Effects</u>: Local

DNEL - General population - Short term - Inhalation 226 mg/m³ Effects: Systemic

DNEL - Workers - Long term - Dermal 384 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 384 mg/m³ <u>Effects</u>: Local

DNEL - Workers - Short term - Inhalation 384 mg/m³ <u>Effects</u>: Systemic

PNECs

Not 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 measu	res	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. 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 and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
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): 4H / Silver Shield® gloves.

•	
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	: 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 X
	Filter type (spray application): A X 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	1
boiling range	

	Ingredient name	°C	°F	Method
	acetone	56.05	132.9	
	iso-butanol	108	226.4	OECD 103
F	lammability : Not ava	ilable.		

Lower and upper explosion limit	: ⊭ ower: 0.8% (xylene) Upper: 13% (acetone)
Flash point	: 🕅osed cup: -19°C (-2.2°F)

2

Auto-ignition temperature

Ingredient name		°C	°F	Method			
1-Methoxy 2-propanol		270	518				
Solvent naphtha (petroleum), light arom.		280 to 470	536 to 878				
Decomposition temperature	: Not ava	ilable.	•	·			
pH	: Not ava	ilable.					
Viscosity	: Not ava	ilable.					
Solubility(ies)	:						
Not available.							
Solubility in water	: Not ava	ilable.					
Partition coefficient: n-octanol/ water	: Not app	licable.					
Vapour pressure	:						
ate of issue/Date of revision	: 14/01/2025	Date of previou	is issue : 26	5/09/2024	Version	: 1.01	50/67
C EMAILLACK FM 3021-80 - All v	variants				Label No	:85722	

SECTION 9: Physica	I and ch	emical	properties					
	Vapour Pressure at 20°C		ssure at 20°C	V	apour pres	ssure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
acetone	180.01463	24						
Toluene	23.17	3.1						
Relative density	: Not	available.	I	I				
Density	: 1 g/d	cm³						
Vapour density : Not available.								
Particle characteristics								
Median particle size	: Not applicable.							
9.2 Other information								
9.2.1 Information with regar	d to physic	al hazard	classes					
Explosive properties		available.						
Oxidising properties	: Not	available.						
9.2.2 Other safety character	ristics							
Not applicable.								
SECTION 10: Stabilit	y and re	activity	/					
10.1 Reactivity	-			vity available fo	r this produ	uct or its ingredients		
10.2 Chemical stability	: The pro	duct is sta	ble.					
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		ormal con not be proc	ditions of storage a duced.	and use, hazaro	lous decom	position products		
SECTION 11: Toxico	logical i	nforma	tion					
11.1 Information on hazard c	lasses as d	efined in	Regulation (EC) N	lo 1272/2008				
Acute toxicity Product/ingredient name P-Butyl acetate	n hazard classes as defined in Regulation (EC) No 1272/2008 nt name Result Rat - Oral - LD50 10760 mg/kg EU							
			Rabbit - Derm a 14112 mg/kg	al - LD50				
			Rat - Inhalatio 0.74 mg/l [4 hou	•	ur			
Methylisobutylketone			Rat - Oral - LD 2080 mg/kg	50				
Butan-1-ol			Rat - Oral - LD	50				

Rat - Oral - LD50 790 mg/kg <u>Toxic effects</u>: Liver - Fatty liver degeneration Kidney, Ureter, and Bladder - Other changes Blood - Other changes

: 14/01/2025 Date of previous issue

SECTION 11: Toxicological information

SECTION TT: Toxicological informat	
	Rabbit - Dermal - LD50 3400 mg/kg
	Rat - Inhalation - LC50 Vapour 24000 mg/m³ [4 hours]
acetone	Rat - Oral - LD50 5800 mg/kg <u>Toxic effects</u> : Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor
iso-butanol	Rat - Oral - LD50 2460 mg/kg
	Rabbit - Dermal - LD50 3400 mg/kg
	Rat - Inhalation - LC50 Vapour 19200 mg/m³ [4 hours]
1-Methoxy 2-propanol	Rabbit - Dermal - LD50 13 g/kg
	Rat - Oral - LD50 6600 mg/kg <u>Toxic effects</u> : Brain and Coverings - Other degenerative changes Behavioral - General anesthetic Lung, Thorax, or Respiration - Dyspnea
Xylene	Rat - Oral - LD50 4300 mg/kg <u>Toxic effects</u> : Liver - Other changes Kidney, Ureter, and Bladder - Other changes
	Rat - Inhalation - LC50 Vapour 21.7 mg/l [4 hours]
Solvent naphtha (petroleum), light arom.	Rat - Oral - LD50 8400 mg/kg <u>Toxic effects</u> : Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Lung, Thorax, or Respiration - Other changes
2-Methoxy-1-methylethyl acetate	Rat - Oral - LD50 8532 mg/kg
	Rabbit - Dermal - LD50 >5 g/kg
1,2,4-trimethylbenzene	Rat - Oral - LD50 5 g/kg
	Rat - Inhalation - LC50 Vapour 18000 mg/m³ [4 hours]
Toluene	Rat - Oral - LD50 636 mg/kg
	Rat - Inhalation - LC50 Vapour 49 g/m³ [4 hours]
Conclusion/Summary [Product] : Not available	e.
Acute toxicity estimates	

: 14/01/2025 Date of previous issue

SECTION 11: Toxicological information

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
C EMAILLACK FM 3021-80	8276.4	36742.4	N/A	49.4	N/A
n-Butyl acetate	10760	14112	N/A	N/A	N/A
Methylisobutylketone	2080	N/A	N/A	11	N/A
Butan-1-ol	790	3400	N/A	24	N/A
acetone	5800	N/A	N/A	N/A	N/A
iso-butanol	2460	3400	N/A	N/A	N/A
1-Methoxy 2-propanol	6600	13000	N/A	N/A	N/A
Xylene	4300	1100	N/A	11	N/A
Solvent naphtha (petroleum), light arom.	8400	N/A	N/A	11	N/A
2-Methoxy-1-methylethyl acetate	8532	N/A	N/A	N/A	N/A
1,2,4-trimethylbenzene	5000	N/A	N/A	18	N/A
Toluene	N/A	N/A	N/A	49	N/A

Skin	corrosion/irritation	

Product/ingredient name	Result
p -Butyl acetate	Rabbit - Skin - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Methylisobutylketone	Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 500 mg
Butan-1-ol	Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 20 mg
acetone	Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 500 mg
	Rabbit - Skin - Mild irritant Amount/concentration applied: 395 mg
1-Methoxy 2-propanol	Rabbit - Skin - Mild irritant Amount/concentration applied: 500 mg
Xylene	Rat - Skin - Mild irritant <u>Duration of treatment/exposure</u> : 8 hours <u>Amount/concentration applied</u> : 60 uL
	Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 500 mg
	Rabbit - Skin - Moderate irritant Amount/concentration applied: 100 %
Toluene	Dia Ohia Mildimitant
louene	Pig - Skin - Mild irritant <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 250 uL
louene	Duration of treatment/exposure: 24 hours
louene	Duration of treatment/exposure: 24 hours Amount/concentration applied: 250 uL Rabbit - Skin - Mild irritant

AC EMAILLACK FM 3021-80 - All variants

SECTION 11: Toxicological information

Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not availab	le.
Serious eye damage/eye irritation Product/ingredient name P-Butyl acetate	Result Rabbit - Eyes - Moderate irritant Amount/concentration applied: 100 mg
Methylisobutylketone	Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 uL
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 40 mg
Butan-1-ol	Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 0.005 MI
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 1.62 mg
acetone	Human - Eyes - Mild irritant Amount/concentration applied: 186300 ppm
	Rabbit - Eyes - Mild irritant Amount/concentration applied: 10 uL
	Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 20 mg
	Rabbit - Eyes - Severe irritant Amount/concentration applied: 20 mg
1-Methoxy 2-propanol	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Xylene	Rabbit - Eyes - Mild irritant Amount/concentration applied: 87 mg
	Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 5 mg
Solvent naphtha (petroleum), light arom.	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 uL
Toluene	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 0.5 minutes Amount/concentration applied: 100 mg
	Rabbit - Eyes - Mild irritant Amount/concentration applied: 870 ug
	Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg

: 14/01/2025 Date of previous issue

al infa. -----

SECTION 11: Toxicologic	ai informati	
		Rabbit - Eyes - Severe irritant
		Amount/concentration applied: 0.1 MI
Conclusion/Summary [Product]	: Not available	e.
Respiratory corrosion/irritation Not available.		
Conclusion/Summary [Product]	: Not available	
Respiratory or skin sensitization Not available.		
Skin Conclusion/Summary [Product]	: Not available	9.
Respiratory Conclusion/Summary [Product]	: Not available).
Germ cell mutagenicity Not available.		
Conclusion/Summary [Product]	: Not available	
Carcinogenicity Not available.		
Conclusion/Summary [Product]	: Not available	
Reproductive toxicity Not available.		
Conclusion/Summary [Product]	: Not available	
Specific target organ toxicity (sing	le exposure)	
Product/ingredient name		Result
p-Butyl acetate		STOT SE 3, H336 (Narcotic effects)
Methylisobutylketone		STOT SE 3, H336 (Narcotic effects)
Butan-1-ol		STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects)
acetone		STOT SE 3, H336 (Narcotic effects)
iso-butanol		STOT SE 3, H335 (Respiratory tract irritation)
1-Methoxy 2-propanol		STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects)
		STOT SE 3, 11330 (Narcolic effects)

1-Methoxy 2-propanol Xylene Solvent naphtha (petroleum), light arom. 2-Methoxy-1-methylethyl acetate 1,2,4-trimethylbenzene Toluene

Specific target organ toxicity (repeated exposure)	
Product/ingredient name	Result
⊠ ylene	STOT RE 2, H373 (oral, inhalation)
Toluene	STOT RE 2, H373

Date of issue/Date of revision AC EMAILLACK FM 3021-80 - All variants

: 14/01/2025 Date of previous issue : 26/09/2024

STOT SE 3, H335 (Respiratory tract irritation)

STOT SE 3, H335 (Respiratory tract irritation)

STOT SE 3, H335 (Respiratory tract irritation)

STOT SE 3, H336 (Narcotic effects)

STOT SE 3, H336 (Narcotic effects)

SECTION 11: Toxicol Aspiration hazard	U		
Product/ingredient name		Result	
Xylene		ASPIRATION HAZARD - Categor	rv 1
Solvent naphtha (petroleum), Toluene	, light arom.	ASPIRATION HAZARD - Categor ASPIRATION HAZARD - Categor	ry 1
Information on likely routes	of exposure		
Not available.			
Potential acute health effect	<u>ts</u>		
Eye contact	: Causes serious e	ye damage.	
Inhalation	: Can cause centra dizziness.	Il nervous system (CNS) depression.	May cause drowsiness or
Skin contact	: Causes skin irrita		
Ingestion	: Can cause centra	I nervous system (CNS) depression.	
Symptoms related to the ph	ysical, chemical and	toxicological characteristics	
Eye contact	: Adverse symptom	ns may include the following:	
	pain watering redness		
Inhalation		ns may include the following:	
initialation	nausea or vomitir	, .	
	headache	-	
	drowsiness/fatigu	e	
	dizziness/vertigo unconsciousness		
Skin contact		ns may include the following:	
Okin Contact	pain or irritation	is may include the following.	
	redness		
	blistering may occ	cur	
Ingestion	: Adverse symptom stomach pains	ns may include the following:	
	ects as well as chroni	ic effects from short and long-term	<u>n exposure</u>
Short term exposure			
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 effe	<u>ects</u>		
Not available.			
Conclusion/Summary [Pro	oduct] : Not availab	le.	
General	: No known signific	ant effects or critical hazards.	
Carcinogenicity	: Suspected of cau exposure.	sing cancer. Risk of cancer depends	s on duration and level of
Mutagenicity	: No known signific	ant effects or critical hazards.	
Reproductive toxicity	: No known signific	ant effects or critical hazards.	
1.2 Information on other has			
11.2.1 Endocrine disrupting	properties		
Not available.			
Conclusion/Summary [Pro	disrupting p	ot does not meet the criteria to be con properties according to the criteria se 006 or Regulation (EC) No 1272/200	t out in either Regulation (E
11.2.2 Other information Not available.	110. 1001/2		
ate of issue/Date of revision	: 14/01/2025 Date	of previous issue : 26/09/2024	Version : 1.01 56/6
AC EMAILLACK FM 3021-80 -		of previous issue : 26/09/2024	Label No :85722

SECTION 12: Ecological information

12.1 Toxicity
Product/ingredient name
n-Butyl acetate

Methylisobutylketone

Butan-1-ol

acetone

Result

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* <u>Age</u>: 31 to 32 days; <u>Size</u>: 21.6 mm; <u>Weight</u>: 0.175 g 18000 µg/l [96 hours] <u>Effect</u>: Mortality

Acute - LC50 - Marine water

Crustaceans - Brine shrimp - *Artemia salina* 32 mg/l [48 hours] <u>Effect</u>: Mortality

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* <u>Age</u>: 29 days; <u>Size</u>: 21 mm; <u>Weight</u>: 0.141 g 505000 µg/l [96 hours] Effect: Mortality

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna* 78 mg/l [21 days] <u>Effect</u>: Behavior

Chronic - NOEC - Fresh water

Fish - Fathead minnow - *Pimephales promelas* - Embryo <u>Age</u>: <24 hours 168 mg/l [33 days] <u>Effect</u>: Mortality

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* <u>Age</u>: 33 days; <u>Size</u>: 20.6 mm; <u>Weight</u>: 0.119 g 1730000 µg/l [96 hours] <u>Effect</u>: Mortality

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* <u>Age</u>: 6 to 24 hours 1983000 µg/l [48 hours] <u>Effect</u>: Intoxication

Acute - LC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* 10000 μg/l [48 hours] <u>Effect</u>: Mortality

Acute - LC50 - Fresh water

Fish - Guppy - *Poecilia reticulata* <u>Age</u>: 4 to 12 months; <u>Size</u>: 2 to 10 cm 5600 ppm [96 hours] <u>Effect</u>: Mortality

Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa* 4.95 mg/l [96 hours] Effect: Reproduction

Acute - EC50 - Marine water

Algae - Green algae - *Ulva pertusa* 20.565 mg/l [96 hours] <u>Effect</u>: Reproduction

Chronic - NOEC - Fresh water

Date of issue/Date of revision: 14/01/2025Date of previous issue: 26/09/2024Version: 1.0157/67AC EMAILLACK FM 3021-80 - All variantsLabel No :85722

SECTION 12: Ecological information	on
	Crustaceans - Daphnia - <i>Daphniidae</i> 0.016 ml/l [21 days] <u>Effect</u> : Population
	Chronic - NOEC - Marine water Fish - Threespine stickleback - <i>Gasterosteus aculeatus</i> - Larvae <u>Age</u> : 7 days 5 μg/l [42 days] <u>Effect</u> : Growth
iso-butanol	Acute - LC50 - Fresh water Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i> <u>Weight</u> : 1.67 g 1330000 μg/l [96 hours] <u>Effect</u> : Mortality
	Acute - LC50 - Marine water Crustaceans - Brine shrimp - <i>Artemia salina</i> 600 mg/l [48 hours] <u>Effect</u> : Mortality
1,2,4-trimethylbenzene	Acute - LC50 - Marine water Crustaceans - Scud - <i>Elasmopus pectenicrus</i> - Adult 4910 μg/l [48 hours] <u>Effect</u> : Mortality
	Acute - LC50 - Fresh water Fish - Fathead minnow - <i>Pimephales promelas</i> <u>Age</u> : 34 days 7720 μg/l [96 hours] <u>Effect</u> : Mortality
Toluene	Acute - LC50 - Fresh water Fish - Coho salmon,silver salmon - <i>Oncorhynchus kisutch</i> - Fry <u>Weight</u> : 1 g 5500 μg/l [96 hours] <u>Effect</u> : Mortality
	Acute - EC50 - Fresh water Algae - Green algae - <i>Pseudokirchneriella subcapitata</i> 12500 μg/l [72 hours] <u>Effect</u> : Growth
	Chronic - NOEC - Fresh water Daphnia - Water flea - <i>Daphnia magna</i> <u>Age</u> : ≤24 hours 1000 μg/l [21 days] <u>Effect</u> : Reproduction
	Acute - EC50 - Fresh water Daphnia - Water flea - <i>Daphnia magna</i> - Neonate <u>Age</u> : ≤24 hours 5.56 mg/l [48 hours] <u>Effect</u> : Intoxication
Conclusion/Summary [Product] : Not availa	able.
12.2 Persistence and degradability Product/ingredient name so-butanol	<mark>Result</mark> 74% [28 days] - Readily
Conclusion/Summary [Product] : Not availa	able.
Data of incur /Data of revision	of provide 106/00/2024

SECTION 12: Ecological information

<u> </u>			
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
iso-butanol	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
p -Butyl acetate	2.3	-	Low
Methylisobutylketone	1.9	-	Low
Butan-1-ol	1	-	Low
acetone	-0.23	-	Low
iso-butanol	1	-	Low
1-Methoxy 2-propanol	<1	-	Low
Xylene	3.12	8.1 to 25.9	Low
Solvent naphtha (petroleum), light arom.	-	10 to 2500	High
2-Methoxy-1-methylethyl acetate	1.2	-	Low
1,2,4-trimethylbenzene	3.63	243	Low
Toluene	2.73	90	Low

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Кос	
p -Butyl acetate	1.52	33.2139	
Methylisobutylketone	1.61	40.9047	
Butan-1-ol	0.51	3.22078	
acetone	0.56	3.6548	
iso-butanol	1.08	12.0246	
1-Methoxy 2-propanol	1.02	10.447	
2-Methoxy-1-methylethyl acetate	0.36	2.31363	
1,2,4-trimethylbenzene	2.93	846.864	
Toluene	2.07	117.115	

Results of PMT and vPvM assessment

Product/ingredient name	PMT	Р	Μ	Т	vPvM	vP	٧M
R-Butyl acetate	No	No	No	No	No	No	No
Methylisobutylketone	No	No	No	No	No	No	No
Butan-1-ol	No	No	No	No	No	No	No
acetone	No	No	No	No	No	No	No
iso-butanol	No	No	No	No	No	No	No
1-Methoxy 2-propanol	No	No	No	No	No	No	No
Xylene	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light arom.	No	No	No	No	No	No	No
2-Methoxy-1-methylethyl acetate	No	No	No	No	No	No	No
1,2,4-trimethylbenzene	No	No	No	No	No	No	No
Toluene	No	No	No	No	No	No	No

Conclusion/Summary

12.5 Results of PBT and vPvB assessment Regulation (EC) No. 1907/2006 [REACH]

: 26/09/2024

[:] The product does not meet the criteria to be considered as a PMT or vPvM.

SECTION 12: Ecological information

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
p-Butyl acetate	No	No	No	No	No	No	No
Methylisobutylketone	No	No	No	No	No	No	No
Butan-1-ol	No	No	No	No	No	No	No
acetone	No	No	No	No	No	No	No
iso-butanol	No	No	No	No	No	No	No
1-Methoxy 2-propanol	No	No	No	No	No	No	No
Xylene	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light arom.	No	No	No	No	No	No	No
2-Methoxy-1-methylethyl acetate	No	No	No	No	No	No	No
1,2,4-trimethylbenzene	No	No	No	No	No	No	No
Toluene	No	No	No	No	No	No	No

Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB	
-Butyl acetate	No	No	No	No	No	No	No	
Methylisobutylketone	No	No	No	No	No	No	No	
Butan-1-ol	No	No	No	No	No	No	No	
acetone	No	No	No	No	No	No	No	
iso-butanol	No	No	No	No	No	No	No	
1-Methoxy 2-propanol	No	No	No	No	No	No	No	
Xylene	No	No	No	No	No	No	No	
Solvent naphtha (petroleum), light arom.	No	No	No	No	No	No	No	
2-Methoxy-1-methylethyl acetate	No	No	No	No	No	No	No	
1,2,4-trimethylbenzene	No	No	No	No	No	No	No	
Toluene	No	No	No	No	No	No	No	

Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP]

12.6 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product]

: The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

: The product does not meet the criteria to be considered as a PBT or vPvB.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment metho	ds
Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
European waste catalogue (EWC) <u>Packaging</u>	: 08.01.11

Date of previous issue

: 26/09/2024

SECTION 13: Disposal considerations

-	
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	IATA		
14.1 UN number or ID number	₩N1263	<mark>₩</mark> N1263	₩N1263	V N1263		
14.2 UN proper shipping name	PAINT	PAINT		PAINT		
14.3 Transport hazard class(es)	3	3	3	3		
14.4 Packing group	11	11	II	11		
14.5 Environmental hazards	No.	Yes.	No.	No.		

Additional information

ADR/RID	:	<u>Special provisions</u> 640 (C) <u>Tunnel code</u> (D/E)
ADN	-	The product is only regulated as an environmentally hazardous substance when transported in tank vessels. Special provisions 640 (C)
ΙΑΤΑ	-	The environmentally hazardous substance mark may appear if required by other transportation regulations.
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	:	Not relevant/applicable due to nature of the product.

14.7 Maritime transport in bulk according to IMO instruments

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>

Annex XIV - List of substances subject to authorisation

Annex XIV

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

Date of issue/Date of revision	: 14/01/2025	Date of previous issue
AC EMAILLACK FM 3021-80 - AI	l variants	

: 26/09/2024

Version : 1.01 61/67 Label No :85722

Product/ingredient name		%	Designation [Usage]	
AC EMAILLACK FM 3021-8	0	≥90	3	
Toluene		<3	48	
Labelling	:			
ther EU regulations				
Industrial emissions (integrated pollution prevention and control) - Air	: Listed			
Industrial emissions (integrated pollution prevention and control) - Water	: Not liste	ed		
Explosive precursors	and sig		ted by Regulation (EU) 2019/1148. <i>A</i> earances and thefts should be report	
Ozone depleting substance	es (EU 202	<u>4/590)</u>		
Not listed.				
Prior Informed Consent (PI	C) (649/20 ⁻	12/EU)		
Not listed.		<u> </u>		
Persistent Organic Pollutar	nte			
Not listed.	113			
ational regulations Austria				
VbF class	: 🗭 ategoi	ry 2		
Limitation of the use of organic solvents	: Permitte	ed.		
<u>Belgium</u>				
Czech Republic				
Storage code	: 1			
<u>Denmark</u> Eire elece	: 🔽			
Fire class Executive Order No. 1795/2				
			Anno 1 Ocotion A	Anney I Ocetion D
Ingredient name			Annex I Section A	
Methylisobutylketone			-	Carc. 2, H351
MAL-code	: 4-3			
Protection based on MAL			ulations on work involving coded the use of personal protective eq	
	coverall clothes shield n	s/protective cl do not adequa nust be worn ir	et be worn for all work that may result othing must be worn when soiling is s ately protect skin against contact with n work involving spattering if a full ma nded use of eye protection is not requ	so great that regular worl the product. A face ask is not required. In this
			ons in which there is return spray, res otectors/apron/coveralls/protective clo	

appropriate or as instructed.

MAL-code: 4-3

Application: When spraying in new* booths if the operator is outside the spray zone. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin.

- Air-supplied half mask and eye protection must be worn.

When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing* facility type, if the operator is inside the spray zone.

- Air-supplied half mask, coveralls and eye protection must be worn.

During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents.

- Air-supplied full mask and coveralls must be worn.

When spraying in existing* spray booths, if the operator is outside the spray zone.

- Air-supplied full mask, arm protectors and apron must be worn.

During non-atomising spraying in existing* facilities of the combined-cabin, spraycabin and spray-booth type where the operator is working inside the spray zone.

- Air-supplied full mask must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Air-supplied full mask, coveralls and hood must be worn.

Drying: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

Polishing: When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn.

Caution The regulations contain other stipulations in addition to the above.

*See Regulations.

: Listed

Low-boiling liquids

Restrictions on use

: This product contains low-boiling point liquids. Any respiratory protective equipment should be air-fed.

: Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work.

List of undesirable substances

Finland

France

SECTION 15: Regulatory information

Social Security Code,	: p-Butyl acetate	RG 84
Articles L 461-1 to L 461-7	Methylisobutylketone	RG 84
	Butan-1-ol	RG 84
	acetone	RG 84
	iso-butanol	RG 84
	1-Methoxy 2-propanol	RG 84
	Xylene	RG 4bis, RG 84
	Solvent naphtha (petroleum), light arom.	RG 84
	2-Methoxy-1-methylethyl acetate	RG 84
	1,2,4-trimethylbenzene	RG 84
	Toluene	RG 4bis, RG 84
Reinforced medical surveillance	: Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable	

Germany

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 : 3

Technical instruction on air quality control (TA Luft)

Number [Class]	Description	%
5 .2.5 5.2.5 [l]	Organic substances Organic substances	100 57.1
5.2.7.1.1 [Formaldehyde]	Carcinogenic substances	0.016

Italy

D.Lgs. 152/06

: Not determined.

Netherlands

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

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development	Harmful via breastfeeding
xylene Solvent naphtha (petroleum), light arom.	- Listed	- Listed	-	Development 2 -	-
tolueen Solvent naphtha (petroleum), light arom.	- Listed	- Listed	-	Development 2 -	-

Water Discharge Policy (ABM) : Z(1) Non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/ bioacumulative potential/ toxicity or persistence). Decontamination effort: Z

	J I <i>J</i>
<u>Norway</u>	
<u>Sweden</u>	
Flammable liquid class (SRVFS 2005:10)	: 1
Switzerland	
VOC content	: 🔽 OC (w/w): 59.5%
International regulations	
Chemical Weapon Convent	ion List Schedules I, II & III Chemicals
Not listed.	

: 26/09/2024

SECTION 15: Regulatory information

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

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

SECTION 16: Other information

Indicates information that has changed from previously issued version.

5 i j
: 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
Flam. Liq. 2, H225	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Carc. 2, H351	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H225 H226	Highly flammable liquid and vapour. 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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]

SECTION 16: Other information

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Carc. 2	CARCINOGENICITY - Category 2
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
Date of issue/ Date of revision	: 14/01/2025
Date of previous issue	: 26/09/2024
Version	: 1.01
	AC EMAILLACK FM 3021-80 All variants

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.

Date of issue/Date of revision: 14/01/2025IAC EMAILLACK FM 3021-80 - All variants

: 14/01/2025 Date of previous issue