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

SAFETY DATA SHEET



ALPOCRYL KLARLACK 5454-15 - FARBLOS-INCOLORE-COLOURLESS

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

1.1 Product identifier

Product name : ALPOCRYL KLARLACK 5454-15 - FARBLOS-INCOLORE-COLOURLESS

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

1.3 Details of the supplier of the safety data sheet

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

e-mail address of person : Prod-safe@teknos.com responsible for this SDS

National contact

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

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number: In an emergency, call 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 3, H412

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

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

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

2.2 Label elements

Hazard pictograms



Signal word Hazard statements

- : Danger
- : H225 Highly flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H336 May cause drowsiness or dizziness.
 - H361d Suspected of damaging the unborn child.
 - H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

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SECTION 2: Hazards identification

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. P260 - Do not breathe vapour.
Response	:	P314 - Get medical advice/attention if you feel unwell.
Storage	:	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	1	Contains: n-Butyl acetate; Ethyl acetate; Xylene and Toluene
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.
		All server from second

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

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

			Asp. Tox. 1, H304		
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) (oral, inhalation) Asp. Tox. 1, H304	ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
EO bis(benztriazolyl) phenylpropionat	REACH #: 01-0000015075-76 EC: 400-830-7 CAS: 104810-48-2 Index: 607-176-00-3	≤2.2	Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[1]
bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate	REACH #: 01-2119491304-40 EC: 255-437-1 CAS: 41556-26-7	<1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Fatty acids, C14-18 and C16-18-unsatd., maleated	REACH #: 01-2119976378-19 EC: 288-306-2 CAS: 85711-46-2	≤0.3	Skin Irrit. 2, H315 Skin Sens. 1, H317	-	[1]
methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	REACH #: 01-2119491304-40 EC: 280-060-4 CAS: 82919-37-7	≤0.3	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Methyl methacrylate	REACH #: 01-2119452498-28 EC: 201-297-1 CAS: 80-62-6 Index: 607-035-00-6	≤0.3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	-	[1] [2]
Maleic anhydride	REACH #: 01-2119472428-31 EC: 203-571-6 CAS: 108-31-6 Index: 607-096-00-9	≤0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT RE 1, H372 (respiratory system) (inhalation) EUH071 See Section 16 for	ATE [Oral] = 400 mg/kg Skin Sens. 1, H317: C ≥ 0.001%	[1]
			the full text of the H statements declared above.		

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

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid m	neasures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 4: First aid measures				
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 			
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 metal oxide/oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident 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	ote	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material for	СО	ntainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble.

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

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

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. 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

7.2 Conditions for safe storage, including any incompatibilities

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

information on hygiene measures.

Seveso Directive - Reporting thresholds

Danger criteria

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

7.3 Specific end use(s)

Recommendations Industrial sector specific solutions

- : Not available.
- : Not available.

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

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
n-Butyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021). [Butyl
	acetate (all isomers except tert-butyl acetate)]
	CEIL: 480 mg/m ³ 15 minutes.
	CEIL: 100 ppm 15 minutes.
	TWA: 241 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
Ethyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
	PEAK: 1468 mg/m ³ , 4 times per shift, 15 minutes.
	PEAK: 400 ppm, 4 times per shift, 15 minutes.
Xylene	Regulation on Limit Values - MAC (Austria, 4/2021). [Xylenes
A yielle	(all isomers)]
	· /-
	PEAK: 442 mg/m ³ , 4 times per shift, 15 minutes.
	TWA: 50 ppm 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
	TWA: 221 mg/m ³ 8 hours.
Toluene	Regulation on Limit Values - MAC (Austria, 4/2021). Absorbe
	through skin.
	TWA: 50 ppm 8 hours.
	TWA: 190 mg/m ³ 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
	PEAK: 380 mg/m ³ , 4 times per shift, 15 minutes.
Ethylbenzene	Regulation on Limit Values - MAC (Austria, 4/2021). Absorbe
2	through skin.
	TWA: 100 ppm 8 hours.
	TWA: 440 mg/m ³ 8 hours.
	CEIL: 200 ppm, 8 times per shift, 5 minutes.
	CEIL: 880 mg/m ³ , 8 times per shift, 5 minutes.
Mothyl mothachylato	Regulation on Limit Values - MAC (Austria, 4/2021). Skin
Methyl methacrylate	sensitiser.
	TWA: 50 ppm 8 hours.
	TWA: 210 mg/m ³ 8 hours.
	CEIL: 100 ppm, 8 times per shift, 5 minutes.
	CEIL: 420 mg/m ³ , 8 times per shift, 5 minutes.
Maleic anhydride	Regulation on Limit Values - MAC (Austria, 4/2021). Skin
	sensitiser. Inhalation sensitiser.
	TWA: 0.1 ppm 8 hours.
	TWA: 0.4 mg/m ³ 8 hours.
	CEIL: 0.2 ppm, 8 times per shift, 5 minutes.
	CEIL: 0.8 mg/m ³ , 8 times per shift, 5 minutes.
n Rutul apotato	
n-Butyl acetate	Limit values (Belgium, 5/2021). [butyl acetate, all isomers]
	STEL: 712 mg/m ³ 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 238 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
Ethyl acetate	Limit values (Belgium, 5/2021).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
	STEL: 1468 mg/m ³ 15 minutes.
	STEL: 400 ppm 15 minutes.
Xylene	Limit values (Belgium, 5/2021). [Xylene] Absorbed through
-	skin.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.

_ _ _	STEL: 112 ma/m ³ 15 minutes
Toluene	STEL: 442 mg/m ³ 15 minutes. Limit values (Belgium, 5/2021). Absorbed through skin.
	TWA: 20 ppm 8 hours.
	TWA: 77 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m ³ 15 minutes.
Ethylbenzene	Limit values (Belgium, 5/2021). Absorbed through skin.
	TWA: 20 ppm 8 hours.
	TWA: 87 mg/m ³ 8 hours.
	STEL: 125 ppm 15 minutes.
	STEL: 551 mg/m ³ 15 minutes.
Methyl methacrylate	Limit values (Belgium, 5/2021).
	TWA: 50 ppm 8 hours.
	TWA: 208 mg/m ³ 8 hours. STEL: 416 mg/m ³ 15 minutes.
	STEL: 410 mg/m 15 minutes.
Maleic anhydride	Limit values (Belgium, 5/2021).
	TWA: 0.0025 ppm 8 hours. Form: vapour and aerosol
	TWA: 0.01 mg/m ³ 8 hours. Form: vapour and aerosol
n-Butyl acetate	o
	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021).
	Limit value 8 hours: 241 mg/m ³ 8 hours.
	Limit value 15 min: 723 mg/m ³ 15 minutes.
	Limit value 15 min: 150 ppm 15 minutes.
	Limit value 8 hours: 50 ppm 8 hours.
Ethyl acetate	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021).
	Limit value 8 hours: 734 mg/m ³ 8 hours.
	Limit value 15 min: 400 ppm 15 minutes.
	Limit value 15 min: 1468 mg/m ³ 15 minutes.
Video e	Limit value 8 hours: 200 ppm 8 hours.
Xylene	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021). [Xylene
	(mixture of isomers), pure] Absorbed through skin.
	Limit value 8 hours: 221 mg/m ³ 8 hours. Limit value 15 min: 442 mg/m ³ 15 minutes.
	Limit value 15 min: 142 mg/m 15 minutes.
	Limit value 8 hours: 50 ppm 8 hours.
Toluene	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Absorbed
	through skin.
	Limit value 15 min: 384 mg/m ³ 15 minutes.
	Limit value 8 hours: 192 mg/m ³ 8 hours.
	Limit value 15 min: 100 ppm 15 minutes.
	Limit value 8 hours: 50 ppm 8 hours.
Ethylbenzene	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Absorbed
	through skin.
	Limit value 8 hours: 435 mg/m ³ 8 hours.
Mothyd mothe and data	Limit value 15 min: 545 mg/m ³ 15 minutes.
Methyl methacrylate	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Limit value 8 hours: 50 ppm 8 hours.
	Limit value 8 nours: 50 ppm 8 nours. Limit value 15 min: 100 ppm 15 minutes.
Maleic anhydride	Ministry of Labour and Social Policy and the Ministry of
	Health - Ordinance No 13/2003. (Bulgaria, 6/2021).
	Limit value 8 hours: 1 mg/m ³ 8 hours.
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n-Butyl acetate	Ministry of Economy, Labour and Entrepreneurship ELV/ STELV (Croatia, 1/2021).
	STELV: 723 mg/m ³ 15 minutes.
	STELV: 150 ppm 15 minutes.
	ELV: 241 mg/m ³ 8 hours.
	ELV: 50 ppm 8 hours.
Ethyl acetate	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021).
	STELV: 400 ppm 15 minutes.
	ELV: 200 ppm 8 hours.
	STELV: 1468 mg/m ³ 15 minutes.
	ELV: 734 mg/m ³ 8 hours.
Xylene	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). [xylene (all isomers)] Absorbed
	through skin.
	STELV: 442 mg/m ³ 15 minutes.
	STELV: 100 ppm 15 minutes. ELV: 221 mg/m ³ 8 hours.
	ELV: 50 ppm 8 hours.
Toluene	Ministry of Economy, Labour and Entrepreneurship ELV/
Toldene	STELV (Croatia, 1/2021). Absorbed through skin.
	STELV: 384 mg/m ³ 15 minutes.
	STELV: 100 ppm 15 minutes.
	ELV: $192 \text{ mg/m}^3 8 \text{ hours.}$
	ELV: 50 ppm 8 hours.
Ethylbenzene	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). Absorbed through skin.
	STELV: 884 mg/m ³ 15 minutes.
	STELV: 200 ppm 15 minutes.
	ELV: 442 mg/m ³ 8 hours.
	ELV: 100 ppm 8 hours.
Methyl methacrylate	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). Absorbed through skin. Skin
	sensitiser.
	STELV: 100 ppm 15 minutes.
	ELV: 50 ppm 8 hours.
Maleic anhydride	Ministry of Economy, Labour and Entrepreneurship ELV/
	STELV (Croatia, 1/2021). Skin sensitiser. Inhalation sensitiser.
	STELV: 0.2 ppm 15 minutes.
	ELV: 0.41 mg/m ³ 8 hours. STELV: 0.8 mg/m ³ 15 minutes.
	ELV: 0.1 ppm 8 hours.
Detail sector	
n-Butyl acetate	Department of labour inspection (Cyprus, 7/2021).
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m³ 15 minutes. TWA: 50 ppm 8 hours.
	TWA: 50 ppm 8 hours.
Ethyl acetate	Department of labour inspection (Cyprus, 7/2021).
	STEL: 400 ppm 15 minutes.
	STEL: 1468 mg/m ³ 15 minutes.
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
Xylene	Department of labour inspection (Cyprus, 7/2021). [Xylene,
	mixed isomers] Absorbed through skin.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours.
Toluene	Department of labour inspection (Cyprus, 7/2021). Absorbed
	through skin.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m ³ 8 hours.
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Ethylbenzene	Department of labour inspection (Cyprus, 7/2021). Absorbed
	through skin.
	STEL: 884 mg/m ³ 15 minutes.
	TWA: 100 ppm 8 hours.
	TWA: 442 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
Methyl methacrylate	Department of labour inspection (Cyprus, 7/2021).
	STEL: 100 ppm 15 minutes. TWA: 50 ppm 8 hours.
n-Butyl acetate	Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022).
	TWA: 241 mg/m ³ 8 hours.
	STEL: 723 mg/m ³ 15 minutes.
	STEL: 149.661 ppm 15 minutes.
	TWA: 49.887 ppm 8 hours.
Ethyl acetate	Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022).
	TWA: 700 mg/m ³ 8 hours.
	TWA: 191.1 ppm 8 hours.
	STEL: 900 mg/m ³ 15 minutes. STEL: 245.7 ppm 15 minutes.
Xylene	Government regulation of Czech Republic PEL/NPK-P (Czech
Aylene	Republic, 10/2022). [xylene, technical mixture of isomers and
	all isomers] Absorbed through skin.
	TWA: 200 mg/m ³ 8 hours.
	TWA: 45.4 ppm 8 hours.
	STEL: 400 mg/m ³ 15 minutes.
	STEL: 90.8 ppm 15 minutes.
Toluene	Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022). Absorbed through skin.
	TWA: 192 mg/m ³ 8 hours.
	TWA: 50.112 ppm 8 hours.
	STEL: 384 mg/m ³ 15 minutes.
Ethylbenzene	STEL: 100.224 ppm 15 minutes. Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022). Absorbed through skin.
	TWA: 200 mg/m ³ 8 hours.
	TWA: 45.4 ppm 8 hours.
	STEL: 500 mg/m ³ 15 minutes.
	STEL: 113.5 ppm 15 minutes.
Methyl methacrylate	Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022). Skin sensitiser.
	TWA: 50 mg/m ³ 8 hours.
	TWA: 12 ppm 8 hours.
	STEL: 150 mg/m³ 15 minutes. STEL: 36 ppm 15 minutes.
Maleic anhydride	Government regulation of Czech Republic PEL/NPK-P (Czech
	Republic, 10/2022). Skin sensitiser.
	TWA: 1 mg/m ³ 8 hours.
	TWA: 0.245 ppm 8 hours.
	STEL: 2 mg/m ³ 15 minutes.
	STEL: 0.49 ppm 15 minutes.
n-Butyl acetate	Working Environment Authority (Denmark, 6/2022). [Butyl
	acetate, all isomers]
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m ³ 8 hours.
	STEL: 723 mg/m ³ 15 minutes.
	STEL: 150 ppm 15 minutes. Working Environment Authority (Denmark, 6/2022)
Ethyl acetate	Working Environment Authority (Denmark, 6/2022). TWA: 150 ppm 8 hours.
	TWA: 540 mg/m ³ 8 hours.
	STEL: 1468 mg/m ³ 15 minutes.
	STEL: 400 ppm 15 minutes.
Xylene	Working Environment Authority (Denmark, 6/2022). [Xylenes,
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	all isomers] Absorbed through skin.
	TWA: 25 ppm 8 hours.
	TWA: $109 \text{ mg/m}^3 8 \text{ hours.}$
	STEL: 442 mg/m ³ 15 minutes.
Taluana	STEL: 100 ppm 15 minutes.
Toluene	Working Environment Authority (Denmark, 6/2022). Absorbed
	through skin.
	TWA: 25 ppm 8 hours.
	TWA: 94 mg/m ³ 8 hours.
	STEL: 384 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
thylbenzene	Working Environment Authority (Denmark, 6/2022). Absorber
	through skin. Carcinogen.
	TWA: 50 ppm 8 hours.
	TWA: 217 mg/m ³ 8 hours.
	STEL: 434 mg/m³ 15 minutes.
	STEL: 100 ppm 15 minutes.
lethyl methacrylate	Working Environment Authority (Denmark, 6/2022). Absorbe
	•
	through skin.
	TWA: 25 ppm 8 hours.
	TWA: 102 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
laleic anhydride	Working Environment Authority (Denmark, 6/2022).
	TWA: 0.1 ppm 8 hours.
	TWA: 0.4 mg/m ³ 8 hours.
	STEL: 0.8 mg/m ³ 15 minutes.
	STEL: 0.2 ppm 15 minutes.
Putul apatota	
-Butyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022).
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m ³ 8 hours.
thyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022).
	TWA: 500 mg/m ³ 8 hours.
	TWA: 150 ppm 8 hours.
	STEL: 1100 mg/m ³ 15 minutes.
	STEL: 300 ppm 15 minutes.
(demo	
ylene	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022). [Xylenes] Absorbed through skin.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 450 mg/m ³ 15 minutes.
	TWA: 200 mg/m ³ 8 hours.
oluene	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022). Absorbed through skin.
	TWA: 192 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 384 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
thylbenzene	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022). Absorbed through skin. Skin sensitiser.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	STEL: 884 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
1ethyl methacrylate	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022). Skin sensitiser.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
1aleic anhydride	Occupational exposure limits, Regulation No. 293 (Estonia,
	12/2022). Skin sensitiser.
	TWA: 1.2 mg/m ³ 8 hours.

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	TWA: 0.3 ppm 8 hours.
	STEL: 2.5 mg/m ³ 15 minutes.
	STEL: 0.6 ppm 15 minutes.
n-Butyl acetate	EU OEL (Europe, 1/2022). Notes: list of indicative
	occupational exposure limit values
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
	TWA: 241 mg/m ³ 8 hours.
Ethyl acetate	TWA: 50 ppm 8 hours. EU OEL (Europe, 1/2022). Notes: list of indicative
	occupational exposure limit values
	STEL: 400 ppm 15 minutes.
	STEL: 1468 mg/m ³ 15 minutes.
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
(ylene	EU OEL (Europe, 1/2022). [xylene, mixed isomers pure]
	Absorbed through skin. Notes: list of indicative occupationa
	exposure limit values
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
oluene	STEL: 442 mg/m ³ 15 minutes. EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list
oldene	of indicative occupational exposure limit values
	TWA: 192 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 384 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
thylbenzene	EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list
	of indicative occupational exposure limit values
	TWA: 100 ppm 8 hours.
	TWA: 442 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
Asthul motheonylate	STEL: 884 mg/m ³ 15 minutes.
lethyl methacrylate	EU OEL (Europe, 1/2022). Notes: list of indicative occupational exposure limit values
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
-Butyl acetate	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021).
	TWA: 150 ppm 8 hours.
	TWA: 720 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 960 mg/m ³ 15 minutes.
thyl acetate	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021).
	TWA: 200 ppm 8 hours.
	TWA: 730 mg/m ³ 8 hours. STEL: 400 ppm 15 minutes.
	STEL: 1470 mg/m ³ 15 minutes.
(ylene	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). [Xylenes] Absorbed through skin.
	STEL: 440 mg/m³ 15 minutes.
Toluene	TWA: 220 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 10/2021). Absorbed through skin. Ototoxicant.
	TWA: 25 ppm 8 hours.
	TWA: 81 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes. STEL: 380 mg/m³ 15 minutes.
	Institute of Occupational Health, Ministry of Social Affairs
Ethylbenzene	Instituto at Licculational Moaith Munietto at Sacial Attaile

SECTION 8: Exposure controls/personal protection TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 880 mg/m³ 15 minutes. Institute of Occupational Health, Ministry of Social Affairs Methyl methacrylate (Finland, 10/2021). TWA: 10 ppm 8 hours. TWA: 42 mg/m³ 8 hours. STEL: 50 ppm 15 minutes. STEL: 210 mg/m³ 15 minutes. Maleic anhydride Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021). TWA: 0.1 ppm 8 hours. TWA: 0.41 mg/m³ 8 hours. CEIL: 0.2 ppm CEIL: 0.81 mg/m³ Ministry of Labor (France, 10/2022). Notes: Binding regulatory n-Butyl acetate limit values (article R. 4412-149 of the Labor Code) TWA: 50 ppm 8 hours. TWA: 241 mg/m³ 8 hours. STEL: 150 ppm 15 minutes. STEL: 723 mg/m3 15 minutes. Ethyl acetate Ministry of Labor (France, 10/2022). Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA: 200 ppm 8 hours. TWA: 734 mg/m³ 8 hours. STEL: 1468 mg/m³ 15 minutes. STEL: 400 ppm 15 minutes. Ministry of Labor (France, 10/2022). [xylenes, mixed isomers, **Xylene** pure] Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL: 442 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 221 mg/m³ 8 hours. TWA: 50 ppm 8 hours. Ministry of Labor (France, 10/2022). Absorbed through skin. Toluene Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA: 20 ppm 8 hours. TWA: 76.8 mg/m³ 8 hours. STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Ethylbenzene Ministry of Labor (France, 10/2022). Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA: 20 ppm 8 hours. TWA: 88.4 mg/m³ 8 hours. STEL: 442 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. Methyl methacrylate Ministry of Labor (France, 10/2022). Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA: 50 ppm 8 hours. TWA: 205 mg/m³ 8 hours. STEL: 100 ppm 15 minutes. STEL: 410 mg/m³ 15 minutes. Ministry of Labor (France, 10/2022). Sensitization potential. Maleic anhydride Notes: Permissible limit values (circulars) STEL: 1 mg/m³ 15 minutes. Date of issue/Date of revision Version :1 13/48 : 12/03/2024 : No previous validation Date of previous issue

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n-Butyl acetate	DFG MAC-values list (Germany, 7/2022).
	TWA: 100 ppm 8 hours.
	PEAK: 200 ppm, 4 times per shift, 15 minutes.
	TWA: 480 mg/m³ 8 hours. PEAK: 960 mg/m³, 4 times per shift, 15 minutes.
	TRGS 900 OEL (Germany, 6/2022).
	TWA: 300 mg/m ³ 8 hours.
	TWA: 62 ppm 8 hours.
	PEAK: 600 mg/m ³ 15 minutes.
	PEAK: 124 ppm 15 minutes.
Ethyl acetate	TRGS 900 OEL (Germany, 6/2022).
,	TWA: 730 mg/m ³ 8 hours.
	PEAK: 1460 mg/m ³ 15 minutes.
	TWA: 200 ppm 8 hours.
	PEAK: 400 ppm 15 minutes.
	DFG MAC-values list (Germany, 7/2022).
	TWA: 200 ppm 8 hours.
	PEAK: 400 ppm, 4 times per shift, 15 minutes.
	TWA: 750 mg/m ³ 8 hours.
	PEAK: 1500 mg/m ³ , 4 times per shift, 15 minutes.
Xylene	TRGS 900 OEL (Germany, 6/2022). [xylene] Absorbed through
	skin.
	TWA: 220 mg/m ³ 8 hours.
	PEAK: 440 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	PEAK: 100 ppm 15 minutes. DFG MAC-values list (Germany, 7/2022). [Xylene (all isomers)]
	Absorbed through skin.
	TWA: 50 ppm 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
	TWA: 220 mg/m ³ 8 hours.
	PEAK: 440 mg/m ³ , 4 times per shift, 15 minutes.
Toluene	TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.
	TWA: 190 mg/m ³ 8 hours.
	PEAK: 380 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	PEAK: 100 ppm 15 minutes.
	DFG MAC-values list (Germany, 7/2022). Absorbed through
	skin.
	TWA: 50 ppm 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
	TWA: 190 mg/m ³ 8 hours.
	PEAK: 380 mg/m ³ , 4 times per shift, 15 minutes.
Ethylbenzene	TRGS 900 OEL (Germany, 6/2022). Absorbed through skin.
	TWA: 88 mg/m ³ 8 hours.
	PEAK: 176 mg/m ³ 15 minutes.
	TWA: 20 ppm 8 hours.
	PEAK: 40 ppm 15 minutes.
	DFG MAC-values list (Germany, 7/2022). Absorbed through skin.
	PEAK: 40 ppm, 4 times per shift, 15 minutes.
	PEAK: 40 ppm, 4 times per shift, 15 minutes. PEAK: 176 mg/m ³ , 4 times per shift, 15 minutes.
	TWA: 88 mg/m ³ 8 hours.
	TWA: 20 ppm 8 hours.
Methyl methacrylate	TRGS 900 OEL (Germany, 6/2022).
, ,	TWA: 210 mg/m ³ 8 hours.
	PEAK: 420 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	PEAK: 100 ppm 15 minutes.
	DFG MAC-values list (Germany, 7/2022). Skin sensitiser.
	TWA: 50 ml/m ³ 8 hours.
	PEAK: 100 ppm, 4 times per shift, 15 minutes.
	TWA: 210 mg/m ³ 8 hours.
	PEAK: 420 mg/m ³ , 4 times per shift, 15 minutes.
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	PEAK: 100 ml/m³, 4 times per shift, 15 minutes.
Ialeic anhydride	TRGS 900 OEL (Germany, 6/2022). Skin sensitiser. Inhalatior
, ,	sensitiser.
	TWA: 0.081 mg/m ³ 8 hours.
	CEIL: 0.2025 mg/m ³
	TWA: 0.02 ppm 8 hours.
	CEIL: 0.05 ppm
	PEAK: 0.081 mg/m³ 15 minutes.
	PEAK: 0.02 ppm 15 minutes.
	DFG MAC-values list (Germany, 7/2022). Skin sensitiser.
	Inhalation sensitiser.
	TWA: 0.02 ppm 8 hours.
	CEIL: 0.05 ml/m ³
	TWA: 0.081 mg/m ³ 8 hours.
	CEIL: 0.2 mg/m ³
	PEAK: 0.081 mg/m³, 4 times per shift, 15 minutes.
-Butyl acetate	Presidential Decree 307/1986. Occupational exposure limit
	values (Greece, 9/2021).
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m ³ 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
thyl acetate	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
	STEL: 1468 mg/m ³ 15 minutes.
	STEL: 400 ppm 15 minutes.
ylene	Presidential Decree 307/1986: Occupational exposure limit
yierie	values (Greece, 9/2021). [Xylenes (all isomers)] Absorbed
	through skin.
	TWA: 100 ppm 8 hours.
	TWA: 435 mg/m ³ 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 650 mg/m ³ 15 minutes.
oluene	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m ³ 15 minutes.
thylbenzene	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).
	TWA: 100 ppm 8 hours.
	TWA: 435 mg/m ³ 8 hours.
	STEL: 125 ppm 15 minutes.
	STEL: 545 mg/m ³ 15 minutes.
lethyl methacrylate	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
lalaia anhydrida	
laleic anhydride	Presidential Decree 307/1986: Occupational exposure limit
	values (Greece, 9/2021).
	TWA: 0.25 ppm 8 hours.
	TWA: 1 mg/m³ 8 hours.
-Butyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Skin sensitise
	Inhalation sensitiser.
	TWA: 241 mg/m ³ 8 hours.
	PEAK: 723 mg/m ³ 15 minutes.
	PEAK: 150 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
thyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Skin sensitiser
,	Inhalation sensitiser.

	TWA: 734 mg/m ³ 8 hours.
	PEAK: 1468 mg/m ³ 15 minutes.
	PEAK: 400 ppm 15 minutes.
	TWA: 200 ppm 8 hours.
ylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). [xylene, mixtu
	of isomers] Absorbed through skin.
	TWA: 221 mg/m ³ 8 hours.
	PEAK: 442 mg/m ³ 15 minutes.
	PEAK: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
oluene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed
	through skin. Skin sensitiser. Inhalation sensitiser.
	TWA: 192 mg/m ³ 8 hours.
	PEAK: 384 mg/m ³ 15 minutes.
	PEAK: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
thylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed
	through skin. Skin sensitiser. Inhalation sensitiser.
	TWA: 442 mg/m ³ 8 hours.
	PEAK: 884 mg/m ³ 15 minutes.
	PEAK: 200 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
ethyl methacrylate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Absorbed
	through skin. Skin sensitiser. Inhalation sensitiser.
	TWA: 208 mg/m ³ 8 hours.
	PEAK: 415 mg/m ³ 15 minutes.
	PEAK: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
aleic anhydride	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). Skin sensitise
	Inhalation sensitiser.
	TWA: 0.08 mg/m ³ 8 hours.
	PEAK: 0.08 mg/m ³ 15 minutes.
	PEAK: 0.2 ppm 15 minutes.
	TWA: 0.2 ppm 8 hours.
Butyl acetate	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021
5	[butyl acetate, all isomers]
	TWA: 241 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 723 mg/m ³ 15 minutes.
	STEL: 150 ppm 15 minutes.
thyl acetate	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021
	TWA: 540 mg/m ³ 8 hours.
	TWA: 150 ppm 8 hours.
ylene	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021
	[xylene, all isomers] Absorbed through skin.
	STEL: 442 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 109 mg/m ³ 8 hours.
	TWA: 25 ppm 8 hours.
oluene	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021
	Absorbed through skin.
	STEL: 188 mg/m ³ 15 minutes.
	STEL: 50 ppm 15 minutes.
	TWA: 94 mg/m ³ 8 hours.
	TWA: 25 ppm 8 hours.
thylbenzene	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021
	Absorbed through skin.
	STEL: 884 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 200 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
lethyl methacrylate	Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021)
	Absorbed through skin. Skin sensitiser.
	STEL: 100 ppm 15 minutes.

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SECTION 8: Exposure controls/personal protection TWA: 50 ppm 8 hours. Maleic anhydride Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). Skin sensitiser. TWA: 0.4 mg/m³ 8 hours. TWA: 0.1 ppm 8 hours. NAOSH (Ireland, 5/2021). Notes: EU derived Occupational n-Butyl acetate Exposure Limit Values OELV-8hr: 50 ppm 8 hours. OELV-8hr: 241 mg/m³ 8 hours. OELV-15min: 150 ppm 15 minutes. OELV-15min: 723 mg/m³ 15 minutes. Ethyl acetate NAOSH (Ireland, 5/2021). Notes: EU derived Occupational Exposure Limit Values OELV-8hr: 200 ppm 8 hours. OELV-15min: 400 ppm 15 minutes. OELV-15min: 1468 mg/m³ 15 minutes. OELV-8hr: 734 mg/m³ 8 hours. NAOSH (Ireland, 5/2021). [xylene mixed isomers] Absorbed **Xylene** through skin. Notes: EU derived Occupational Exposure Limit Values OELV-8hr: 50 ppm 8 hours. OELV-8hr: 221 mg/m³ 8 hours. OELV-15min: 100 ppm 15 minutes. OELV-15min: 442 mg/m³ 15 minutes. Toluene NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV-8hr: 50 ppm 8 hours. OELV-8hr: 192 mg/m³ 8 hours. OELV-15min: 100 ppm 15 minutes. OELV-15min: 384 mg/m³ 15 minutes. NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU Ethylbenzene derived Occupational Exposure Limit Values OELV-8hr: 100 ppm 8 hours. OELV-8hr: 442 mg/m³ 8 hours. OELV-15min: 200 ppm 15 minutes. OELV-15min: 884 mg/m³ 15 minutes. NAOSH (Ireland, 5/2021). Sensitization potential. Notes: EU Methyl methacrylate derived Occupational Exposure Limit Values OELV-8hr: 50 ppm 8 hours. OELV-15min: 100 ppm 15 minutes. NAOSH (Ireland, 5/2021). Sensitization potential. Notes: Maleic anhydride Advisory Occupational Exposure Limit Values (OELVs) OELV-8hr: 0.01 ppm 8 hours. Form: The Inhalable Fraction and Vapour note is used when a material exerts sufficient vapour pressure such that it may be present in both particle and vapour phases. EU OEL (Europe, 1/2022). Notes: list of indicative n-Butyl acetate occupational exposure limit values STEL: 150 ppm 15 minutes. STEL: 723 mg/m³ 15 minutes. TWA: 241 mg/m³ 8 hours. TWA: 50 ppm 8 hours. Ethyl acetate Legislative Decree No. 819/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020). Short Term: 400 ppm 15 minutes. Short Term: 1468 ma/m³ 15 minutes. 8 hours: 200 ppm 8 hours. 8 hours: 734 mg/m³ 8 hours. **Xylene** Legislative Decree No. 819/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020). [Xylenes, mixed isomers, pure] Absorbed through skin. 8 hours: 50 ppm 8 hours. 8 hours: 221 mg/m³ 8 hours. Short Term: 100 ppm 15 minutes.

	Short Term: 442 mg/m ³ 15 minutes.
Toluene	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Absorbed through skin.
	8 hours: 50 ppm 8 hours.
	8 hours: 192 mg/m ³ 8 hours.
Ethylbenzene	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Absorbed through skin.
	8 hours: 100 ppm 8 hours. 8 hours: 442 mg/m ³ 8 hours.
	Short Term: 200 ppm 15 minutes.
	Short Term: 884 mg/m ³ 15 minutes.
Methyl methacrylate	Legislative Decree No. 819/2008. Title IX. Protection from
	chemical agents, carcinogens and mutagens (Italy, 6/2020).
	Short Term: 100 ppm 15 minutes.
	8 hours: 50 ppm 8 hours.
n-Butyl acetate	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
5	TWA: 241 mg/m ³ 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
Ethyl acetate	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
	TWA: 200 mg/m ³ 8 hours.
	STEL: 400 ppm 15 minutes.
	STEL: 1468 mg/m ³ 15 minutes.
Xulono	TWA: 54 ppm 8 hours.
Xylene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). [Xylenes] Absorbed through skin.
	TWA: 221 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
Toluene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
	Absorbed through skin.
	TWA: 50 mg/m ³ 8 hours.
	STEL: 150 mg/m ³ 15 minutes.
	TWA: 14 ppm 8 hours.
	STEL: 40 ppm 15 minutes.
Ethylbenzene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
	Absorbed through skin.
	TWA: 442 mg/m³ 8 hours. TWA: 100 ppm 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m ³ 15 minutes.
Methyl methacrylate	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
	TWA: 10 mg/m ³ 8 hours.
Maleic anhydride	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021).
	TWA: 1 mg/m ³ 8 hours.
n-Butyl acetate	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022).
	TWA: 241 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 723 mg/m ³ 15 minutes.
	STEL: 150 ppm 15 minutes.
Ethyl acetate	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022).
	TWA: 500 mg/m ³ 8 hours.
	TWA: 150 ppm 8 hours.
	CEIL: 1100 mg/m ³
Xylene	CEIL: 300 ppm Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022).
Луюнь	[xylene, mixed isomers, pure] Absorbed through skin.
	STEL: 442 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
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Toluene	TWA: 221 mg/m ³ 8 hours. Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022).
	Absorbed through skin.
	TWA: 192 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 384 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
Ethylbenzene	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022).
	Absorbed through skin.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	STEL: 884 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
Methyl methacrylate	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Skin
	sensitiser. Inhalation sensitiser.
	TWA: 208 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 416 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
Maleic anhydride	Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Skin
	sensitiser. Inhalation sensitiser.
	TWA: 1.2 mg/m ³ 8 hours.
	TWA: 0.3 ppm 8 hours.
	STEL: 2.5 mg/m ³ 15 minutes.
	STEL: 0.6 ppm 15 minutes.
n-Butyl acetate	Grand-Duchy Regulation 2016. Chemical agents. Annex I
In Bully doctate	(Luxembourg, 3/2021).
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m ³ 8 hours.
Ethyl acetate	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021).
	STEL: 400 ppm 15 minutes.
	STEL: 1468 mg/m ³ 15 minutes.
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
Xylene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
Xylono	(Luxembourg, 3/2021). [xylenes, mixed isomers, pure]
	Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
Toluene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021). Absorbed through skin.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m ³ 8 hours.
Ethylbenzene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021). Absorbed through skin.
	TWA: 100 ppm 8 hours.
	TWA: $442 \text{ mg/m}^3 8 \text{ hours.}$
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m ³ 15 minutes.
Methyl methacrylate	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021).
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
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SECTION 8: Exposure controls/personal protection n-Butyl acetate EU OEL (Europe, 1/2022). Notes: list of indicative occupational exposure limit values STEL: 150 ppm 15 minutes. STEL: 723 mg/m3 15 minutes. TWA: 241 mg/m³ 8 hours. TWA: 50 ppm 8 hours. Ethyl acetate EU OEL (Europe, 1/2022). Notes: list of indicative occupational exposure limit values STEL: 400 ppm 15 minutes. STEL: 1468 mg/m³ 15 minutes. TWA: 200 ppm 8 hours. TWA: 734 mg/m³ 8 hours. **Xylene** EU OEL (Europe, 1/2022). [xylene, mixed isomers pure] Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 50 ppm 8 hours. TWA: 221 mg/m³ 8 hours. STEL: 100 ppm 15 minutes. STEL: 442 mg/m³ 15 minutes. Toluene EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 192 mg/m³ 8 hours. TWA: 50 ppm 8 hours. STEL: 384 mg/m³ 15 minutes. STEL: 100 ppm 15 minutes. Ethylbenzene EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 100 ppm 8 hours. TWA: 442 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. EU OEL (Europe, 1/2022). Notes: list of indicative Methyl methacrylate occupational exposure limit values TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. n-Butyl acetate Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 12/2022). OEL, 8-h TWA: 241 mg/m³ 8 hours. STEL,15-min: 723 mg/m³ 15 minutes. STEL,15-min: 150 ppm 15 minutes. OEL, 8-h TWA: 50 ppm 8 hours. Ethyl acetate Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 12/2022). STEL,15-min: 1468 mg/m³ 15 minutes. OEL, 8-h TWA: 734 mg/m³ 8 hours. STEL,15-min: 400 ppm 15 minutes. OEL, 8-h TWA: 200 ppm 8 hours. **Xylene** Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 12/2022). [xylenes (all isomers)] Absorbed through skin. OEL, 8-h TWA: 210 mg/m³ 8 hours. STEL,15-min: 442 mg/m³ 15 minutes. STEL,15-min: 100 ppm 15 minutes. OEL, 8-h TWA: 47.5 ppm 8 hours. Toluene Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 12/2022). OEL, 8-h TWA: 150 mg/m³ 8 hours. STEL,15-min: 384 mg/m³ 15 minutes. STEL,15-min: 100 ppm 15 minutes. OEL, 8-h TWA: 39 ppm 8 hours. Ministry of Social Affairs and Employment, Legal limit values Ethylbenzene (Netherlands, 12/2022). Absorbed through skin. OEL, 8-h TWA: 215 mg/m³ 8 hours. STEL,15-min: 430 mg/m³ 15 minutes.

	STEL,15-min: 97.3 ppm 15 minutes.
	OEL, 8-h TWA: 48.6 ppm 8 hours.
Methyl methacrylate	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 12/2022).
	OEL, 8-h TWA: 205 mg/m ³ 8 hours.
	STEL,15-min: 410 mg/m ³ 15 minutes.
	STEL,15-min: 100 ppm 15 minutes. OEL, 8-h TWA: 50 ppm 8 hours.
Dutid a state	
-Butyl acetate	FOR-2011-12-06-1358 (Norway, 12/2022). STEL: 723 mg/m³ 15 minutes.
	STEL: 723 mg/m 15 minutes.
	FOR-2011-12-06-1358 (Norway, 12/2022). Notes: indicative
	limit value
	TWA: 241 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
thyl acetate	FOR-2011-12-06-1358 (Norway, 12/2022). Notes: indicative
	limit value
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
	FOR-2011-12-06-1358 (Norway, 12/2022).
	STEL: 1468 mg/m ³ 15 minutes.
(vlana	STEL: 400 ppm 15 minutes.
(ylene	FOR-2011-12-06-1358 (Norway, 12/2022). [Xylene, all isomers Absorbed through skin. Notes: indicative limit value
	TWA: 25 ppm 8 hours.
	TWA: 25 ppm o hours. TWA: 108 mg/m ³ 8 hours.
oluene	FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through
	skin. Notes: indicative limit value
	TWA: 25 ppm 8 hours.
	TWA: 94 mg/m ³ 8 hours.
Ethylbenzene	FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through
	skin. Carcinogen. Notes: indicative limit value
	TWA: 5 ppm 8 hours.
	TWA: 20 mg/m³ 8 hours.
lethyl methacrylate	FOR-2011-12-06-1358 (Norway, 12/2022). Skin sensitiser.
	Notes: indicative limit value
	TWA: 25 ppm 8 hours.
	TWA: 100 mg/m ³ 8 hours. FOR-2011-12-06-1358 (Norway, 12/2022). Skin sensitiser.
	STEL: 400 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
/aleic anhydride	FOR-2011-12-06-1358 (Norway, 12/2022). Skin sensitiser.
······································	TWA: 0.2 ppm 8 hours.
	TWA: 0.8 mg/m ³ 8 hours.
-Butyl acetate	Regulation of the Minister of Family, Labor and Social Policy
	of 18 February 2021, regarding the highest permissible
	concentrations and values of agents harmful to health in the
	work environment (Journal of Laws 2021, item 325) (Poland,
	2/2021).
	TWA: 240 mg/m ³ 8 hours.
	STEL: 720 mg/m ³ 15 minutes.
Ethyl acetate	Regulation of the Minister of Family, Labor and Social Policy
	of 18 February 2021, regarding the highest permissible
	concentrations and values of agents harmful to health in the
	work environment (Journal of Laws 2021, item 325) (Poland, 2/2021).
	TWA: 734 mg/m ³ 8 hours.
	STEL: 1468 mg/m ³ 15 minutes.
(ylene	Regulation of the Minister of Family, Labor and Social Policy
,	of 18 February 2021, regarding the highest permissible
	concentrations and values of agents harmful to health in the
	work environment (Journal of Laws 2021, item 325) (Poland,
	2/2021). [xylene – mixed isomers (1,2-, 1,3-, 1,4-)] Absorbed

	through skin.
	TWA: 100 mg/m ³ 8 hours.
	STEL: 200 mg/m ³ 15 minutes.
Toluene	Regulation of the Minister of Family, Labor and Social Polic of 18 February 2021, regarding the highest permissible
	concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland 2/2024). Abserbed through a bin
	2/2021). Absorbed through skin. TWA: 100 mg/m³ 8 hours.
	STEL: 200 mg/m ³ 15 minutes.
Ethylbenzene	Regulation of the Minister of Family, Labor and Social Polic of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in th
	work environment (Journal of Laws 2021, item 325) (Polanc 2/2021). Absorbed through skin.
	TWA: 200 mg/m ³ 8 hours.
	STEL: 400 mg/m ³ 15 minutes.
Methyl methacrylate	Regulation of the Minister of Family, Labor and Social Polic of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in th work environment (Journal of Laws 2021, item 325) (Polanc
	2/2021).
	TWA: 100 mg/m ³ 8 hours.
	STEL: 300 mg/m ³ 15 minutes.
Maleic anhydride	Regulation of the Minister of Family, Labor and Social Polic of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in th
	work environment (Journal of Laws 2021, item 325) (Poland
	2/2021). Absorbed through skin.
	TWA: 0.5 mg/m ³ 8 hours.
	STEL: 1 mg/m ³ 15 minutes.
n-Butyl acetate	Portuguese Institute of Quality (Portugal, 11/2014). TWA: 150 ppm 8 hours.
Ethyl acetate	STEL: 200 ppm 15 minutes. Portuguese Institute of Quality (Portugal, 11/2014).
	TWA: 400 ppm 8 hours.
Kylene	Portuguese Institute of Quality (Portugal, 11/2014). [Xylene
-	TWA: 100 ppm 8 hours.
	STEL: 150 ppm 15 minutes.
Toluene	Portuguese Institute of Quality (Portugal, 11/2014). Absorb through skin. TWA: 20 ppm 8 hours.
Ethylbenzene	Portuguese Institute of Quality (Portugal, 11/2014). TWA: 20 ppm 8 hours.
Methyl methacrylate	Portuguese Institute of Quality (Portugal, 11/2014). Skin
, ,	sensitiser. TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
Maleic anhydride	Portuguese Institute of Quality (Portugal, 11/2014). Skin sensitiser.
	TWA: 0.01 mg/m ³ 8 hours. Form: Inhalable fraction and vapor
n-Butyl acetate	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). VLA: 241 mg/m ³ 8 hours.
	VLA: 24 mg/m² 8 hours. VLA: 50 ppm 8 hours. Short term: 723 mg/m³ 15 minutes.
	Short term: 150 ppm 15 minutes.
Ethyl acetate	HG 1218/2006, Annex 1, with subsequent modifications and
-	additions (Romania, 3/2021).
	VLA: 734 mg/m ³ 8 hours.
	VLA: 200 ppm 8 hours.
	Short term: 1468 mg/m ³ 15 minutes.
	Short term: 400 ppm 15 minutes.

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Xylene	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). [Xylene] Absorbed through skin. VLA: 221 mg/m ³ 8 hours.
	VLA: 50 ppm 8 hours.
	Short term: 442 mg/m ³ 15 minutes.
	Short term: 100 ppm 15 minutes.
Toluene	HG 1218/2006, Annex 1, with subsequent modifications and
l'oldene	additions (Romania, 3/2021). Absorbed through skin.
	VLA: 192 mg/m ³ 8 hours.
	VLA: 192 mg/m 8 hours.
	Short term: 384 mg/m ³ 15 minutes.
	Short term: 100 ppm 15 minutes.
Ethylbenzene	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021). Absorbed through skin.
	VLA: 442 mg/m ³ 8 hours.
	VLA: 100 ppm 8 hours.
	Short term: 884 mg/m ³ 15 minutes.
	Short term: 200 ppm 15 minutes.
Methyl methacrylate	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021).
	VLA: 205 mg/m ³ 8 hours.
	Short term: 410 mg/m ³ 15 minutes.
	VLA: 50 ppm 8 hours.
Malaia anhydrida	Short term: 100 ppm 15 minutes.
Maleic anhydride	HG 1218/2006, Annex 1, with subsequent modifications and
	additions (Romania, 3/2021).
	VLA: 1 mg/m ³ 8 hours.
	VLA: 0.25 ppm 8 hours.
	Short term: 3 mg/m ³ 15 minutes.
n Rutul apotato	Short term: 0.75 ppm 15 minutes.
n-Butyl acetate	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	[Butyl acetates]
	TWA: 241 mg/m ³ , (Butyl acetates) 8 hours.
	TWA: 50 ppm, (Butyl acetates) 8 hours.
	STEL: 723 mg/m ³ , (Butyl acetates) 15 minutes.
Ethyl acetate	STEL: 150 ppm, (Butyl acetates) 15 minutes. Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	TWA: 734 mg/m ³ 8 hours.
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	TWA: 200 ppm 8 hours. STEL: 1468 mg/m³ 15 minutes.
	STEL: 400 ppm 15 minutes.
Xylene	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
Aylerie	[xylene, mixed isomers] Absorbed through skin.
	TWA: 221 mg/m ³ , (xylene, mixed isomers) 8 hours.
	TWA: 22 Thig/m , (xylene, mixed isomers) 8 hours.
	STEL: 442 mg/m ³ , (xylene, mixed isomers) 15 minutes.
	STEL: 442 mg/m , (xylene, mixed isomers) 15 minutes.
Toluene	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
l'oldene	Absorbed through skin.
	TWA: 192 mg/m ³ 8 hours.
	TWA: 192 mg/m 8 hours.
	STEL: 384 mg/m³ 15 minutes.
	STEL: 100 ppm 15 minutes.
Ethylbenzene	Government regulation SR c. 355/2006 (Slovakia, 9/2020).
	Absorbed through skin.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 442 mg/m 8 hours.
	STEL: 884 mg/m³ 15 minutes.
	STEL: 200 ppm 15 minutes.
Methyl methacrylate	Government regulation SR c. 355/2006 (Slovakia, 9/2020). Skin
	sensitiser.
	STEL: 100 ppm 15 minutes.
	TWA: 50 ppm 8 hours.
Maleic anhydride	Government regulation SR c. 355/2006 (Slovakia, 9/2020). Skin

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	sensitiser. TWA: 0.41 mg/m³ 8 hours.
	TWA: 0.1 ppm 8 hours.
n-Butyl acetate	Regulation on protection of workers from the risks related t
,	exposure to chemical substances at work (Slovenia, 5/2021
	TWA: 241 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	KTV: 723 mg/m ³ , 4 times per shift, 15 minutes.
	KTV: 150 ppm, 4 times per shift, 15 minutes.
Ethyl acetate	Regulation on protection of workers from the risks related exposure to chemical substances at work (Slovenia, 5/2021
	TWA: 734 mg/m ³ 8 hours.
	TWA: 200 ppm 8 hours.
	KTV: 1468 mg/m ³ , 4 times per shift, 15 minutes.
	KTV: 400 ppm, 4 times per shift, 15 minutes.
(ylene	Regulation on protection of workers from the risks related
	exposure to chemical substances at work (Slovenia, 5/202'
	[xylene (mixture of isomers)] Absorbed through skin.
	TWA: 221 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
	KTV: 442 mg/m³, 4 times per shift, 15 minutes.
	KTV: 100 ppm, 4 times per shift, 15 minutes.
oluene	Regulation on protection of workers from the risks related
	exposure to chemical substances at work (Slovenia, 5/202
	Absorbed through skin.
	TWA: 192 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	KTV: 384 mg/m ³ , 4 times per shift, 15 minutes.
thulhonzono	KTV: 100 ppm, 4 times per shift, 15 minutes.
thylbenzene	Regulation on protection of workers from the risks related exposure to chemical substances at work (Slovenia, 5/202
	Absorbed through skin.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	KTV: 884 mg/m³, 4 times per shift, 15 minutes.
	KTV: 200 ppm, 4 times per shift, 15 minutes.
lethyl methacrylate	Regulation on protection of workers from the risks related
	exposure to chemical substances at work (Slovenia, 5/202
	TWA: 210 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours. KTV: 420 mg/m³, 4 times per shift, 15 minutes.
	KTV: 420 mg/m², 4 times per shift, 15 minutes.
/aleic anhydride	Regulation on protection of workers from the risks related
	exposure to chemical substances at work (Slovenia, 5/202
	TWA: 0.41 mg/m ³ 8 hours.
	TWA: 0.1 ppm 8 hours.
	KTV: 0.41 mg/m ³ , 4 times per shift, 15 minutes.
	KTV: 0.1 ppm, 4 times per shift, 15 minutes.
-Butyl acetate	National institute of occupational safety and health (Spain,
	4/2022).
	TWA: 50 ppm 8 hours.
	TWA: 241 mg/m ³ 8 hours. STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
Ethyl acetate	National institute of occupational safety and health (Spain,
	4/2022).
	TWA: 200 ppm 8 hours.
	TWA: 734 mg/m ³ 8 hours.
	STEL: 1468 mg/m ³ 15 minutes.
	STEL: 400 ppm 15 minutes.
(ylene	National institute of occupational safety and health (Spain,
	4/2022). [Xylene, mixture of isomers] Absorbed through ski
	TWA: 50 ppm 8 hours. TWA: 221 mg/m ³ 8 hours.

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	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
Foluene	National institute of occupational safety and health (Spain,
	4/2022). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 384 mg/m ³ 15 minutes.
Ethylbenzene	National institute of occupational safety and health (Spain,
5	4/2022). Absorbed through skin.
	TWA: 100 ppm 8 hours.
	TWA: 441 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 884 mg/m ³ 15 minutes.
Vethyl methacrylate	National institute of occupational safety and health (Spain,
, ,	4/2022). Skin sensitiser.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
Maleic anhydride	National institute of occupational safety and health (Spain,
······································	4/2022). Skin sensitiser. Inhalation sensitiser.
	TWA: 0.1 ppm 8 hours.
	TWA: 0.4 mg/m ³ 8 hours.
n-Butyl acetate	Work environment authority Regulation 2018:1 (Sweden,
I-Duly acelale	9/2021). [butyl acetate]
	TWA: 50 ppm 8 hours.
	TWA: 30 ppm 8 hours. TWA: 241 mg/m ³ 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
Ethyl acetate	Work environment authority Regulation 2018:1 (Sweden,
	9/2021).
	TWA: 150 ppm 8 hours.
	TWA: 550 mg/m ³ 8 hours.
	STEL: 300 ppm 15 minutes.
	STEL: 1100 mg/m ³ 15 minutes.
Xylene	Work environment authority Regulation 2018:1 (Sweden,
	9/2021). [xylene] Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 221 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 442 mg/m ³ 15 minutes.
Toluene	Work environment authority Regulation 2018:1 (Sweden,
	9/2021). Absorbed through skin. Ototoxicant.
	TWA: 50 ppm 8 hours.
	TWA: 192 mg/m ³ 8 hours.
	TWA: 192 mg/m³ 8 hours. STEL: 100 ppm 15 minutes.
Ethylbenzene	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes.
Ethylbenzene	STEL: 100 ppm 15 minutes.
Ethylbenzene	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin.
Ethylbenzene	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours.
Ethylbenzene	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin.
Ethylbenzene	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m ³ 8 hours. STEL: 200 ppm 15 minutes.
	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m ³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m ³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden,
	STEL: 100 ppm 15 minutes. STEL: 384 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m ³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m ³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser.
	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 50 ppm 8 hours.
	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours.
	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 50 ppm 8 hours. TWA: 200 mg/m³ 8 hours. STEL: 100 ppm 15 minutes.
Methyl methacrylate	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 400 mg/m³ 15 minutes.
Ethylbenzene Methyl methacrylate Maleic anhydride	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 400 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021).
Methyl methacrylate	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 400 mg/m³ 8 hours. STEL: 400 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 400 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser.
Methyl methacrylate	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 200 mg/m³ 8 hours. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 400 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Stin sensitiser. TWA: 200 mg/m³ 15 minutes. STEL: 400 mg/m³ 15 minutes. TWA: 0.05 ppm 8 hours. TWA: 0.05 ppm 8 hours.
Vethyl methacrylate	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes. STEL: 400 mg/m³ 15 minutes. STEL: 400 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 200 mg/m³ 8 hours. STEL: 400 mg/m³ 15 minutes. STEL: 400 mg/m³ 15 minutes. TWA: 0.05 ppm 8 hours. TWA: 0.2 mg/m³ 8 hours.
Methyl methacrylate	 STEL: 100 ppm 15 minutes. STEL: 384 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Skin sensitiser. TWA: 200 mg/m³ 8 hours. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 100 ppm 15 minutes. STEL: 400 mg/m³ 15 minutes. Work environment authority Regulation 2018:1 (Sweden, 9/2021). Stin sensitiser. TWA: 200 mg/m³ 15 minutes. STEL: 400 mg/m³ 15 minutes. TWA: 0.05 ppm 8 hours. TWA: 0.05 ppm 8 hours.

n-Butyl acetate	SUVA (Switzerland, 1/2023).
, ,	TWA: 50 ppm 8 hours.
	TWA: 240 mg/m ³ 8 hours.
	STEL: 150 ppm 15 minutes.
	STEL: 720 mg/m ³ 15 minutes.
Ethyl acetate	SUVA (Switzerland, 1/2023).
	STEL: 400 ppm 15 minutes.
	STEL: 1460 mg/m ³ 15 minutes.
	TWA: 200 ppm 8 hours.
M. J	TWA: 730 mg/m ³ 8 hours.
Xylene	SUVA (Switzerland, 1/2023). [Xylenes (all isomers)] Absorbed
	through skin.
	TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 440 mg/m ³ 15 minutes.
Toluene	SUVA (Switzerland, 1/2023). Absorbed through skin.
louene	TWA: 50 ppm 8 hours.
	TWA: 190 mg/m ³ 8 hours.
	STEL: 200 ppm 15 minutes.
	STEL: 760 mg/m ³ 15 minutes.
Ethylbenzene	SUVA (Switzerland, 1/2023). Absorbed through skin.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
	STEL: 50 ppm 15 minutes.
	STEL: 220 mg/m ³ 15 minutes.
Methyl methacrylate	SUVA (Switzerland, 1/2023). Skin sensitiser.
	TWA: 50 ppm 8 hours.
	TWA: 210 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
	STEL: 420 mg/m ³ 15 minutes.
Maleic anhydride	SUVA (Switzerland, 1/2023). Skin sensitiser.
-	TWA: 0.1 ppm 8 hours. Form: vapour and aerosols
	TWA: 0.4 mg/m ³ 8 hours. Form: vapour and aerosols
	STEL: 0.1 ppm 15 minutes. Form: vapour and aerosols
	STEL: 0.4 mg/m ³ 15 minutes. Form: vapour and aerosols
n-Butyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020).
··· _ ··· y · ··· · ····	STEL: 966 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 724 mg/m ³ 8 hours.
	TWA: 150 ppm 8 hours.
Ethyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020).
,	STEL: 400 ppm 15 minutes.
	TWA: 200 ppm 8 hours.
	STEL: 1468 mg/m ³ 15 minutes.
	TWA: 734 mg/m³ 8 hours.
Xylene	EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m
	p- or mixed isomers] Absorbed through skin.
	STEL: 441 mg/m ³ 15 minutes.
	TWA: 50 ppm 8 hours.
	TWA: 220 mg/m ³ 8 hours.
	STEL: 100 ppm 15 minutes.
Toluene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 384 mg/m ³ 15 minutes.
	TWA: 191 mg/m³ 8 hours.
	TWA: 50 ppm 8 hours.
	STEL: 100 ppm 15 minutes.
Ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 552 mg/m ³ 15 minutes.
	STEL: 125 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
	TWA: 441 mg/m ³ 8 hours.

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Methyl methacrylate	EH40/2005 WELs (United Kingdom (UK), 1/2020).
	STEL: 416 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 208 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
Maleic anhydride	EH40/2005 WELs (United Kingdom (UK), 1/2020). Inhalation
	sensitiser.
	STEL: 3 mg/m ³ 15 minutes.
	TWA: 1 mg/m ³ 8 hours.

Product/ingredient name	Exposure indices
Xylene	VGU BEI (Austria, 9/2020) [xylenes] BEI Fitness: 1000 µg/l, xylene [in blood]. Sampling time: one year. BEI Fitness: 1.5 g/l, methylhippuricacid [in urine]. Sampling time: one year.
Toluene	VGU BEI (Austria, 9/2020) BEI Fitness: 250 µg/l, toluene [in blood]. Sampling time: one year. BEI Fitness: 0.8 mg/l, o-cresol [in urine]. Sampling time: one year. BEI Fitness: 130000 /µl, platelets (non-pathological differential blood count) [in blood]. Sampling time: one year. BEI Fitness: 150000 /µl, platelets [in blood]. Sampling time: one year.
	BEI Fitness: 3700 to 13000 /µl, leukocytes (non-pathological differential blood count) [in blood]. Sampling time: one year. BEI Fitness: 4000 to 13000 /µl, leukocytes [in blood]. Sampling time: one year.
	BEI Fitness - men: 3.8 million/μl, erythrocytes [in blood]. Sampling time: one year. BEI Fitness - women: 3.2 million/μl, erythrocytes [in blood]. Sampling time: one year.
	BEI Fitness - men: 12 g/dl, hemoglobin [in blood]. Sampling time: one year. BEI Fitness - women: 10 g/dl, hemoglobin [in blood]. Sampling time: one year.
No exposure indices known.	
Toluene	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021) BLV: 1.6 mmol/mmol creatinine, hippuric acid [in urine]. Sampling
	time: after the end of the exposure or the end of the work shift.
Ethylbenzene	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021) Notes: significant skin resorption possible
	BLV: 2000 mg/g creatinine, mandelic acid and phenylglyoxylic acid – in total [in urine]. Sampling time: after the end of the exposure or the end of the work shift.
Xylene	Ministry of Economy, Labour and Entrepreneurship ILV/STEL (Croatia, 10/2018) [xylene] BEI: 1.5 mg/l, xylene [in blood]. Sampling time: at the end of the
	work shift. BEI: 14.13 µmol/l, xylene [in blood]. Sampling time: at the end of the work shift. BEI: 0.88 mol/mol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift.
	BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift.
Toluene	Ministry of Economy, Labour and Entrepreneurship ILV/STEL (Croatia, 10/2018)
	BEI: 20 ppm, toluene [in end exhaled air]. Sampling time: during

			· · · · · · · · · · · · · · · ·			
	Ethylbenzene		during exposure. BEI: 1 mg/l, toluene work shift. BEI: 10.85 µmol/l, to the work shift. BEI: 1.05 mmol/mol at the end of the work BEI: 1 mg/g creatinin end of the work shift. BEI: 1.58 mol/mol cr time: at the end of the BEI: 2.5 g/g creatinin the end of the work sh Ministry of Economy (Croatia, 10/2018) BEI: 1.5 mg/l, ethylb exposure.	ne, o-cresol [in urine]. Sa eatinine, hippuric acid [i e work shift. ne, hippuric acid [in urine ift. /, Labour and Entrepre enzene [in blood]. Samp	e: at the end of the ng time: at the end irine]. Sampling t ampling time: at t ampling time: at t n urine]. Sampling aneurship ILV/S oling time: during	he nd of time: the ng e: at TEL
			exposure. BEI: 1.12 mol/mol cr time: at the end of the week. BEI: 1.5 g/g creatinir	ylbenzene [in blood]. Sa eatinine, almond acid [ir e work shift and at the er ne, almond acid [in urine nift and at the end of the	urine]. Samplin nd of the working]. Sampling time	g
	No exposure indices known.					
	Xylene		Biological Exposure Biological limit value acid [in urine]. Sampli	ion of Czech Republic Tests (Czech Republi s: 820 µmol/mmol creat ng time: end of the shift s: 1400 mg/g creatinine me: end of the shift.	c, 9/2015) [Xyle inine, methylhipp	ne] ouric
	Toluene		Biological Exposure Biological limit value [in urine]. Sampling tin Biological limit value Sampling time: end o Biological limit value hydrolysis) [in urine]. Biological limit value	s: 1600 mg/g, hippuric a	c, 9/2015) atinine, hippuric a acid [in urine]. nine, o-kresol (af ae shift. a-kresol (after	acid
	Ethylbenzene		Biological Exposure Biological limit value [in urine]. Sampling tin	s: 1500 mg/g creatinine	c, 9/2015) atinine, almond a	cid
	No exposure indices known.					
	No exposure indices known.					
	No exposure indices known.					
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Xylene	Institute of Occupational Health, Ministry of Social Affairs
	(Finland, 9/2020) [Xylene]
	BEI: 5 mmol/l, methylhippuricacid [in urine]. Sampling time: at the end of the work shift.
Toluene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020)
	BEI: 500 nmol/l, toluene [in blood]. Sampling time: the morning after the working day.
Ethylbenzene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020) BEI: 5.2 mmol/l, mandelic acid [in urine]. Sampling time: after
	work shift at the end of the working week or exposure period.
No exposure indices known.	
Xylene	DFG BEI-values list (Germany, 7/2022) [Xylene (all isomers)] Notes: danger from percutaneous absorption (see p. 211 and p. 228).
	BEI: 2000 mg/l, methylhippuric acid (toluric acid) (all isomers) [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2022) [Xylene (all isomer BEI: 2000 mg/l, methylhippuric acid [in urine]. Sampling time: en of exposure or end of shift.
Toluene	DFG BEI-values list (Germany, 7/2022) Notes: danger from percutaneous absorption (see p. 211 and p. 228). BEI: 600 µg/l, toluene [in blood]. Sampling time: immediately after
	exposure. BEI: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time end of exposure or end of shift / for long-term exposures: at the end of the shift after several shifts.
	BEI: 75 μg/l, toluene [in urine]. Sampling time: end of exposure of end of shift. TRGS 903 - BEI Values (Germany, 2/2022)
	BEI: 600 μg/l, toluene [in whole blood]. Sampling time: immediately after exposure. BEI: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time
	end of exposure or end of shift; for long-term exposures: at the end of shift after several shifts.
	BEI: 75 μg/l, toluene [in urine]. Sampling time: end of exposure of end of shift.
Ethylbenzene	DFG BEI-values list (Germany, 7/2022) Notes: danger from percutaneous absorption (see p. 211 and p. 228). BEI: 250 mg/g creatinine, mandelic acid plus phenyl glyoxylic ac
	[in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2022) BEI: 250 mg/g creatinine, mandelic acid plus phenylglyoxylic aci [in urine]. Sampling time: end of exposure or end of shift.
No exposure indices known.	[
Kylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) [xylene] BEI: 1500 mg/g creatinine, methylhippuric acid [in urine].
	Sampling time: at the end of the shift. BEI: 860 μmol/mmol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the shift.
Foluene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) BEI: 1 mg/g creatinine, o-cresol [in urine]. Sampling time: at the end of the shift. BEI: 1 μmol/mmol creatinine, o-cresol [in urine]. Sampling time:
	the end of the shift.

SECTION 8: Exposure con	trols/personal protection
Ethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2022) BEI: 1500 mg/g creatinine, mandelic acid [in urine]. Sampling time at the end of the working week; at the end of the shift. BEI: 1110 μmol/mmol creatinine, mandelic acid [in urine]. Sampling time: at the end of the working week; at the end of the shift.
No exposure indices known.	
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.
Ethylbenzene	NAOSH (Ireland, 1/2011) BMGV: Semi-quantitative, the biological analyte is an indicator of exposure to the substance but the quantitative interpretation of the measurement is ambiguous. These analytes should be used as a screening test if a quantitative test is not practical; or as a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question., ethylbenzene [in endexhaled air]. Sampling time: not critical. BMGV: 0.7 g/g creatinine [Semi-quantitative, the biological analyte is an indicator of exposure to the substance but the quantitative interpretation of the measurement is ambiguous. These analytes should be used as a screening test if a quantitative test is not practical; or as a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question.], mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift at end of workweek.
No exposure indices known.	
Toluene	Minister Cabinet Regulations No.325 - BEI (Latvia, 7/2018) BEI: 0.05 mg/l, toluene [in blood]. BEI: 1.6 g/g creatinine, hippuric acid [in urine]. Sampling time: end of the shift.
No exposure indices known.	
Xylene	Portuguese Institute of Quality (Portugal, 11/2014) [Xylenes] BEI: 1.5 g/g creatinine, (o, m, p) -methyl-boronic acids [in urine]. Sampling time: end of shift.
Toluene	Portuguese Institute of Quality (Portugal, 11/2014) BEI: 0.3 mg/g creatinine, o-cresol [in urine]. Sampling time: end of shift. BEI: 0.03 mg/l, toluene [in urine]. Sampling time: end of shift. BEI: 0.02 mg/l, toluene [in blood]. Sampling time: end of shift at the end of the workweek.
Ethylbenzene	Portuguese Institute of Quality (Portugal, 11/2014)

SECTION 8: Exposure control	s/personal protection
	BEI: 0.7 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
Xylene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020) [Xylene]
	OBLV: 3 g/l, methylhippuric acid [in urine]. Sampling time: end of shift.
Toluene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020)
	OBLV: 3 mg/l, o-cresol [in urine]. Sampling time: end of shift. OBLV: 2 g/l, hippuric acid [in urine]. Sampling time: end of shift.
Ethylbenzene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2020)
	OBLV: 1.5 g/g creatinine, mandelic acid [in urine]. Sampling time: end of the week.
Xylene	Government regulation SR c. 355/2006 (Slovakia, 9/2020) [xylene, all isomers]
	BLV: 781 μmol/mmol creatinine, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1334 mg/g creatinine, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 10355 μmol/l, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 14.6 μmol/l, xylene [in blood]. Sampling time: at the end of
	exposure or work shift. BLV: 2000 mg/l, sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, xylene [in blood]. Sampling time: at the end of
	exposure or work shift.
Toluene	Government regulation SR c. 355/2006 (Slovakia, 9/2020) BLV: 1010 μmol/mmol creatinine, hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.08 μmol/mmol creatinine, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.
	BLV: 1600 mg/g creatinine, hippuric acid [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.03 mg/g creatinine, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after
	several work shifts. BLV: 13399 µmol/l, hippuric acid [in urine]. Sampling time: at the
	end of exposure or work shift. BLV: 14.3 μmol/l, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work
	shifts. BLV: 6517 nmol/l, toluene [in blood]. Sampling time: at the end of exposure or work shift.
	BLV: 2401 mg/l, hippuric acid [in urine]. Sampling time: at the end of exposure or work shift.
	BLV: 1.5 mg/l, o-cresol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.
	BLV: 600 μ g/l, toluene [in blood]. Sampling time: at the end of exposure or work shift.
Ethylbenzene	Government regulation SR c. 355/2006 (Slovakia, 9/2020) BLV: 799 µmol/mmol creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 7.44 µmol/mmol creatinine, 2 or 4-etylfenol [in urine].
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	Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1067 mg/g creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 8.03 mg/g creatinine, 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 10590 µmol/l, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long- term exposure: after several work shifts. BLV: 98.6 µmol/l, 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1600 mg/l, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1600 mg/l, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 12 mg/l, 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.
Xylene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021) [xylene (all isomers)] BAT: 2 g/l, methylhippuric acid (all isomers) [in urine]. Sampling time: at the end of the work shift.
Toluene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021) BAT: 1.5 mg/l, o-cresol (after hydrolysis) [in urine]. Sampling time: at the end of the work shift, at long-term exposure: at the end of 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.
Ethylbenzene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021) BAT: 250 mg/g creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of the work shift.
Xylene	National institute of occupational safety and health (Spain, 4/2022) [Xylenes] VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
Toluene	National institute of occupational safety and health (Spain, 4/2022) VLB: 0.05 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek. VLB: 0.6 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.
Ethylbenzene	National institute of occupational safety and health (Spain, 4/2022) VLB: 700 mg/g creatinine, sum of mandelic acid and acid and phenylglyoxylic acid [in urine]. Sampling time: end of workweek.
No exposure indices known.	
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Xylene	SUVA (Switzerland, 1/2023) [Xylene, all isomers] BEI: 2 g/I, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.
Toluene	 SUVA (Switzerland, 1/2023) BEI: 2 g/g creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 1.26 mmol/mmol creatinine, hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 0.5 mg/l, o-cresol [in urine]. Sampling time: immediately after exposure or after working hours. In case of long-term exposure: after more than one shift. BEI: 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: 4.62 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 6.48 µmol/l, toluene [in blood]. Sampling time: immediately after exposure or after working hours. BEI: 6.48 µmol/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours. BEI: 75 µg/l, toluene [in urine]. Sampling time: immediately after exposure or after working hours.
Ethylbenzene	SUVA (Switzerland, 1/2023) BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid [in urine]. Sampling time: immediately after exposure or after working hours.
Xylene	EH40/2005 BMGVs (United Kingdom (UK), 8/2018) [Xylene, o-, m-, p- or mixed isomers] BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. Sampling time: post shift.
Recommended monitoring procedures	Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

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Product/ingredient name	Туре	Exposure	Value	Population	Effects
n-Butyl acetate	DNEL	Short term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	6 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	35.7 mg/m ³	General population	Local
	DNEL	Short term Inhalation	300 mg/m ³	General population	Local
	DNEL	Short term Inhalation	300 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	300 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	600 mg/m³	Workers	Local
e of issue/Date of revision : 12/	03/2024	Date of previous issue	: No prev	ious validation Ve	ersion :1 33/4

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	DNLL	Inhalation	000 mg/m	WORKEIS	Oysternic	
	DNEL	Long term Dermal	3.4 mg/kg bw/day	General population	Systemic	
	DNEL	Long term Dermal	7 mg/kg bw/day	Workers	Systemic	
	DNEL	Long term Inhalation	12 mg/m ³	General population	Systemic	
	DNEL	Long term Inhalation	48 mg/m³	Workers	Systemic	
Ethyl acetate	DNEL	Long term Oral	4.5 mg/kg bw/day	General population	Systemic	
	DNEL	Long term Dermal	37 mg/kg bw/day	General	Systemic	
	DNEL	Long term Dermal	63 mg/kg bw/day	Workers	Systemic	
	DNEL	Long term Inhalation	367 mg/m ³	General population	Local	
	DNEL	Long term Inhalation	367 mg/m³	General	Systemic	
	DNEL	Short term	734 mg/m³	General	Local	
	DNEL	Inhalation Short term	734 mg/m³	population General	Systemic	
	DNEL	Inhalation Long term	734 mg/m³	population Workers	Local	
	DNEL	Inhalation Long term	734 mg/m³	Workers	Systemic	
	DNEL	Inhalation Short term	1468 mg/	Workers	Local	
	DNEL	Inhalation Short term	m³ 1468 mg/	Workers	Systemic	
Xylene	DNEL	Inhalation Long term	m³ 65.3 mg/m³	General	Local	
	DNEL	Inhalation Short term	260 mg/m³	population General	Local	
	DNEL	Inhalation Short term	260 mg/m³	population General	Systemic	
	DNEL	Inhalation Long term	221 mg/m³	population Workers	Local	
	DNEL	Inhalation Long term Oral	12.5 mg/	General	Systemic	
	DNEL	Long term	kg bw/day 65.3 mg/m³	population General	Systemic	
	DNEL	Inhalation Long term Dermal	125 mg/kg	population General	Systemic	
	DNEL	Long term Dermal	bw/day 212 mg/kg	population Workers	Systemic	
	DNEL	Long term	bw/day 221 mg/m³	Workers	Systemic	
	DNEL	Inhalation Short term	442 mg/m ³	Workers	Local	
	DNEL	Inhalation Short term	442 mg/m ³	Workers	Systemic	
Toluene	DNEL	Inhalation Long term Oral	8.13 mg/	General	Systemic	
	DNEL	Long term	kg bw/day 56.5 mg/m³		Local	
	DNEL	Inhalation Long term	56.5 mg/m ³	population General	Systemic	
	DNEL	Inhalation Long term	192 mg/m³	population Workers	Local	
	DNEL	Inhalation Long term	192 mg/m ³	Workers	Systemic	
	DNEL	Inhalation Long term Dermal	226 mg/kg	General	Systemic	
	DINEL	Long term Dennal	bw/day	population	Oysienno	

	DNEL	Short term	226 mg/m ³	General	Local	
	DINEL	Inhalation	220 mg/m	population	Loodi	
	DNEL	Short term	226 mg/m ³	General	Systemic	
	DILLE	Inhalation	220 mg/m	population	Cysterino	
	DNEL	Long term Dermal	384 mg/kg	Workers	Systemic	
	DNEL	Short term	bw/day 384 mg/m³	Workers	Local	
		Inhalation				
	DNEL	Short term Inhalation	384 mg/m ³	Workers	Systemic	
Ethylbenzene	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic	
	DNEL	Long term Inhalation	15 mg/m³	General population	Systemic	
	DNEL	Long term Inhalation	77 mg/m³	Workers	Systemic	
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic	
	DNEL	Short term	293 mg/m ³	Workers	Local	
	DMEL	Inhalation Long term	442 mg/m ³	Workers	Local	
		Inhalation				
	DMEL	Short term Inhalation	884 mg/m³	Workers	Systemic	
Fatty acids, C14-18 and	DNEL	Long term Oral	1.5 mg/kg	General	Systemic	
C16-18-unsatd., maleated			bw/day	population	-,	
	DNEL	Long term Dermal	1.5 mg/kg	General	Systemic	
		5	bw/day	population	,	
	DNEL	Long term Dermal	3 mg/kg bw/day	Workers	Systemic	
Methyl methacrylate	DNEL	Long term Oral	8.2 mg/kg bw/day	General population	Systemic	
	DNEL	Short term	208 mg/m ³	General	Local	
	DINCE	Inhalation	200 mg/m	population	Local	
	DNEL	Short term	416 mg/m ³	Workers	Local	
	DNEL	Inhalation Short term Dermal	1.5 mg/cm ²		Local	
	DNEL	Long term Dermal	1.5 mg/cm ²	population General	Local	
				population		
	DNEL	Short term Dermal	1.5 mg/cm ²	Workers	Local	
	DNEL	Long term Dermal	1.5 mg/cm ²	Workers	Local	
	DNEL	Long term Dermal	8.2 mg/kg	General	Systemic	
	DNEL	Long term Dermal	bw/day 13.67 mg/	population Workers	Systemic	
	DNEL	Long term	kg bw/day 74.3 mg/m³	General	Systemic	
	BILLE	Inhalation		population	eyetenne	
	DNEL	Long term	104 mg/m ³	General	Local	
		Inhalation	Ū	population		
	DNEL	Long term Inhalation	208 mg/m ³	Workers	Local	
	DNEL	Long term Inhalation	348.4 mg/ m³	Workers	Systemic	
Maleic anhydride	DNEL	Long term Inhalation	0.081 mg/ m³	Workers	Local	
	DNEL	Long term Inhalation	0.081 mg/ m ³	Workers	Systemic	
	DNEL	Short term	0.2 mg/m ³	Workers	Local	
	DNEL	Inhalation Short term	0.2 mg/m³	Workers	Systemic	
	DNEL	Inhalation Long term	0.05 mg/m³	General	Systemic	
		Inhalation		population	_	
	DNEL	Long term Oral	0.06 mg/ kg bw/day	General population	Systemic	

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CTION 8: Exposure controls/p	ersonal prote	ction		
DNEL	Long term Inhalation	0.08 mg/m ³	General population	Local
DNEL	Short term Oral	0.1 mg/kg bw/day	General population	Systemic
DNEL	Short term Dermal	0.1 mg/kg bw/day	General population	Systemic
DNEL	Long term Dermal	0.1 mg/kg bw/day	General population	Systemic
DNEL	Short term Dermal	0.2 mg/kg bw/day	Workers	Systemic
DNEL	Long term Dermal	0.2 mg/kg bw/day	Workers	Systemic

PNECs

No PNECs available

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

		Filter type (spray application): A P
Env	vironmental exposure	Emissions from ventilation or work process equipment should be checked to
con	itrols	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

.1 information on basic physica	al and chen	nical properties						
<u>Appearance</u>								
Physical state	nysical state : Liquid.							
Colour	r : Colourless.							
Odour	Ddour : Slight							
Odour threshold	: Not ava	ilable.						
Melting point/freezing point	: Not ava	ilable.						
Initial boiling point and boiling range	:							
Ingredient name		°C	°F	Method				
Ethyl acetate		77.1	170.8					
Toluene		110.6	231.1					
Flammability	: Not ava	ilable.	1					
Lower and upper explosion limit	: Lower: Upper:							
Flash point	: Closed	cup: -1°C (30.2°F)						
Auto-ignition temperature	:							
Ingredient name		°C	°F	Method				
EO bis(benztriazolyl)phenylpropionat		405	761					
(<i>5/1 5 1</i>								

pH	÷	Not applicable.
Viscosity		Not available.
Solubility(ies)	÷	
Not available.		
Solubility in water	:	Not available.
Partition coefficient: n-octanol/ water	:	Not applicable.

2

Vapour pressure

	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
Ethyl acetate	81.59163	10.9				
Toluene	23.17	3.1				
Relative density	: Not	available.				
Density	: 1 g/	cm ³				
Vapour density	: Not	available.				
Explosive properties	: Not	available.				
Oxidising properties	: Not	available.				
Particle characteristics						
Median particle size	: Not	applicable.				

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SECTION 10: Stability and reactivity						
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.					
10.2 Chemical stability	: The product is stable.					
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.					
10.4 Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.					
10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials					
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.					

SECTION 11: Toxicological information

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

Acute toxicity

Result	Species	Dose	Exposure
LC50 Inhalation Vapour	Rat	0.74 mg/l	4 hours
LD50 Dermal	Rabbit	14112 mg/kg	-
LD50 Oral	Rat	10760 mg/kg	-
LD50 Oral	Rat	5620 mg/kg	-
LC50 Inhalation Vapour	Rat	21.7 mg/l	4 hours
LD50 Oral	Rat	4300 mg/kg	-
LC50 Inhalation Vapour	Rat	49 g/m ³	4 hours
LD50 Oral	Rat	636 mg/kg	-
LC50 Inhalation Dusts and	Rat	29000 mg/l	4 hours
mists		-	
LD50 Dermal	Rabbit	15400 mg/kg	-
LD50 Oral	Rat	3500 mg/kg	-
LC50 Inhalation Vapour	Rat	78000 mg/m ³	4 hours
LD50 Dermal	Rabbit	>5 g/kg	-
LD50 Oral	Rat	7872 mg/kg	-
LD50 Dermal	Rabbit	2620 mg/kg	-
LD50 Oral	Rat	400 mg/kg	-
	LC50 Inhalation Vapour LD50 Dermal LD50 Oral LD50 Oral LC50 Inhalation Vapour LD50 Oral LC50 Inhalation Vapour LD50 Oral LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral LC50 Inhalation Vapour LD50 Dermal LD50 Dermal LD50 Oral LD50 Oral LD50 Oral LD50 Oral	LC50 Inhalation VapourRatLD50 DermalRabbitLD50 OralRatLD50 OralRatLD50 OralRatLC50 Inhalation VapourRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 DermalRatLD50 OralRatLD50 DermalRatLD50 DermalRatLD50 DermalRatLD50 OralRatLD50 OralRatLD50 OralRatLD50 DermalRatLD50 OralRatLD50 DermalRatLD50 DermalRatLD50 DermalRatLD50 DermalRatLD50 DermalRat	LC50 Inhalation VapourRat0.74 mg/lLD50 DermalRabbit14112 mg/kgLD50 OralRat10760 mg/kgLD50 OralRat5620 mg/kgLC50 Inhalation VapourRat21.7 mg/lLD50 OralRat4300 mg/kgLC50 Inhalation VapourRat4300 mg/kgLC50 Inhalation VapourRat636 mg/kgLC50 Inhalation Dusts andRat29000 mg/lmistsRat3500 mg/kgLD50 OralRat3500 mg/kgLD50 DermalRat78000 mg/m³LD50 DermalRat2620 mg/kg

Acute toxicity estimates

Route	ATE value		
	10904.04 mg/kg 85.71 mg/l		

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
n-Butyl acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
-	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
Vulana	Even Mild irritant	Dabbit		mg	
Xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				mg	
	Skin - Mild irritant	Rat	-	8 hours 60 uL	-
	Skin - Moderate irritant	Rabbit	-	100 %	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
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SECTION 11: TOXIC	ological information			I					
Toluene	Eyes - Mild irritant	Rabbit	-	mg 0.5 minutes 100 mg	-				
	Eyes - Mild irritant	Rabbit	-	870 ug	-				
	Eyes - Severe irritant	Rabbit	-	24 hours 2	-				
				mg					
	Skin - Mild irritant	Pig	-	24 hours 250 uL	-				
	Skin - Mild irritant	Rabbit	-	435 mg	-				
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-				
		D 11 1		mg					
	Skin - Moderate irritant	Rabbit	-	500 mg	-				
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 mg	-				
	Skin - Mild irritant	Rabbit	-	24 hours 15	-				
Maleic anhydride	Eyes - Severe irritant	Rabbit	-	mg 1 %	-				
Conclusion/Summary	: Causes skin irritation.								
Sensitisation									
Conclusion/Summary	: May cause an allergic ski	n reaction.							
<u>Mutagenicity</u>									
Conclusion/Summary	: Based on available data,	: Based on available data, the classification criteria are not met.							
Carcinogenicity		·							
Conclusion/Summary	: Based on available data,	the classification	n criteria a	are not met.					
Reproductive toxicity									
Conclusion/Summary	: Based on available data,	the classification	n criteria a	are not met.					

TeratogenicityConclusion/Summary: Suspected of damaging the unborn child.

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Xylene Toluene	Category 2 Category 2	oral, inhalation	-
Ethylbenzene Maleic anhydride	Category 2 Category 2 Category 1	oral, inhalation inhalation	- hearing organs respiratory system

Aspiration hazard

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

Information on likely routes : Not available.

of exposure

Potential acute health effects

Eye contact

: Causes serious eye irritation.

SECTION 11: Toxico	logical information
Inhalation	 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: Can cause central nervous system (CNS) depression.
Symptoms related to the phy	vsical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Delayed and immediate effect	cts as well as chronic effects from short and long-term exposure
Short term exposure Potential immediate effects	: Not available.
Potential delayed effects Long term exposure	: Not available.
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff Not available.	iects
Conclusion/Summary	: Not available.
General	: May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

- **Carcinogenicity** : No known significant effects or critical hazards.
- **Mutagenicity** : No known significant effects or critical hazards.
- **Reproductive toxicity** : Suspected of damaging the unborn child.

11.2 Information on other hazards

11.2.1 Endocrine disrupting propertiesNot available.11.2.2 Other informationNot available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
n-Butyl acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Ethyl acetate	Acute EC50 2500000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 750000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 154000 µg/l Fresh water	Daphnia - Daphnia cucullata	48 hours
	Acute LC50 212500 µg/l Fresh water	Fish - Heteropneustes fossilis	96 hours
	Chronic NOEC 12 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
	Chronic NOEC 75.6 mg/l Fresh water	Fish - <i>Pimephales promelas</i> - Embryo	32 days
Toluene	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - <i>Gammarus</i> <i>pseudolimnaeus</i> - Adult	48 hours
	Acute EC50 5.56 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
Methyl methacrylate	Acute LC50 130000 µg/l Fresh water	Fish - <i>Pimephales promelas</i> - Adult	96 hours
Maleic anhydride	Acute LC50 230000 µg/l Fresh water	Fish - Gambusia affinis - Adult	96 hours
Conclusion/Summary	: Harmful to aquatic life with long lastin	g effects.	•

12.2 Persistence and degradability

Conclusion/Summary

: This product has not been tested for biodegradation.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-Butyl acetate	2.3	-	Low
Ethyl acetate	0.68	30	Low
Xylene	3.12	8.1 to 25.9	Low
Toluene	2.73	90	Low
Ethylbenzene	3.6	-	Low
Methyl methacrylate	1.38	-	Low
Maleic anhydride	-2.78	-	Low

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

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

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

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ		
14.1 UN number or ID number	UN1993	UN1993	UN1993	UN1993		
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (n-butyl acetate, ethyl acetate)	FLAMMABLE LIQUID, N.O.S. (n-butyl acetate, ethyl acetate)	FLAMMABLE LIQUID, N.O.S. (ethyl acetate, xylene)	FLAMMABLE LIQUID, N.O.S. (ethyl acetate, xylene)		
14.3 Transport hazard class(es)	3	3	3	3		
14.4 Packing group	II	II	II	II		
14.5 Environmental hazards	No.	Yes.	No.	No.		
Additional information ADR/RID : Special provisions 640 (C) Tunnel code (D/E) ADN : The product is only regulated as an environmentally hazardous substance when transported in tank vessels. Special provisions 640 (C)						
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 trans bulk according to I instruments		nt/applicable due to natur	e of the product.			

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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

Product/ingredient name		%	Designation [Usage]
ALPOCRYL KLARLACK 5454- Toluene	-15	≥90 ≥10 - ≤25	3 48
Labelling :			
Other EU regulations			
Industrial emissions : (integrated pollution prevention and control) - Air	Not listed		
Industrial emissions : (integrated pollution prevention and control) - Water	Not listed		
Explosive precursors :	Not applicabl	e.	
Ozone depleting substances	(1005/2009/E	<u>U)</u>	
Not listed.			
Prior Informed Consent (PIC) Not listed.	<u>(649/2012/EU</u>	<u>1</u>)	

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category	
P5c	

National regulations

<u>Austria</u>			
VbF class	: A I Very dangerous flammable liquid.		
Limitation of the use of organic solvents	: Permitted.		
Czech Republic			
Storage code	: 1		
<u>Denmark</u>			
Danish fire class	: I-1		
Executive Order No. 1795	<u>5/2015</u>		
Ingredient name		Annex I Section A	Annex I Section B
Ethylbenzene		Listed	-
MAL-code	: 4-5		1

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Protection based on MAL : According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment: **General:** Gloves must be worn for all work that may result in soiling. Apron/ coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required. In all spraying operations in which there is return spray, respiratory protection with air supply and arm protectors/apron/coveralls/protective clothing must be worn as appropriate or as instructed. MAL-code: 4-5 Application: When using scraper or knife, brush, roller etc. for pre- and posttreatments in a spray booth where the operator is outside the spray zone and when working in similar new* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone. When spraying in new* booths and cabins with non-atomizing guns. - Protective clothing 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. 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, protective clothing and eye protection must be worn. When spraying in new* booths if the operator is outside the spray zone. - Air-supplied half mask and eye protection must be worn. When spraying in existing* spray booths, if the operator is outside the spray zone. 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. 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 protective clothing 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, protective clothing 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. Low-boiling liquids This product contains low-boiling point liquids. Any respiratory protective equipment should be air-fed.

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Restrictions on use	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	: Listed	
Carcinogenic waste	Waste containers must be labeled: Contains a substance or substances regulated by Danish working environment legislation on cancer risks.	
<u>Finland</u>		
France		
Social Security Code, Articles L 461-1 to L 461-7		RG 84 RG 84 RG 4bis, RG 84 RG 4bis, RG 84 RG 84 RG 82 RG 66
Reinforced medical surveillance	: Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable	
<u>Germany</u>		
Storage class (TRGS 510)	: 3	
Hazardous incident ordina	nce	

This product is controlled under the Germany Hazardous Incident Ordinance.

Dar	nger	crite	eria

Category		Reference number
P5c		1.2.5.3
Hazard class for water	: 3	
Technical instruction on air quality control	: TA-Luft Number 5.2.5: 78.2% TA-Luft Class I - Number 5.2.5: 12.8%	
<u>Italy</u>		
D.Lgs. 152/06	: Not determined.	

D.Lgs. 152/06 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 tolueen	-	-	-	Development 2 Development 2	-
Water Discharge Polic (ABM)			tic organisms, may ha		rdous effects in
Norway					
<u>Sweden</u>					
Flammable liquid class (SRVFS 2005:10)	s : 1				
Switzerland					
VOC content	: VOC (w/	w): 73.8%			
nternational regulation	<u>s</u>				
hemical Weapon Conv	vention List Sch	edules I, II & III	Chemicals		
Not listed.					
Iontreal Protocol					
Not listed.					
tockholm Convention	<u>on Persistent O</u>	rganic Pollutan	<u>ts</u>		
Not listed.					
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POCRYL KLARLACK 54				Lab	el No :51863

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.

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

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

Classification	Justification	
Flam. Liq. 2, H225	On basis of test data	
Skin Irrit. 2, H315	Calculation method	
Eye Irrit. 2, H319	Calculation method	
Skin Sens. 1, H317	Calculation method	
Repr. 2, H361d	Calculation method	
STOT SE 3, H336	Calculation method	
STOT RE 2, H373	Calculation method	
Aquatic Chronic 3, H412	Calculation method	

Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H361d	Suspected of damaging the unborn child.	
H372	Causes damage to organs through prolonged or repeated exposure.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
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.	
EUH071	Corrosive to the respiratory tract.	

Full text of classifications [CLP/GHS]

SECTION 16: Other information

Acute Tox. 4	ACUTE TOXICITY - Category 4	
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1	
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	
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	
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	
Resp. Sens. 1	RESPIRATORY SENSITISATION - Category 1	
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B	
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2	
Skin Sens. 1	SKIN SENSITISATION - Category 1	
Skin Sens. 1A	SKIN SENSITISATION - Category 1A	
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1	
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
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Notice to reader

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

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