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

SAFETY DATA SHEET



TEKNODUR 3840-00 - TS 0050 CLEAR

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

1.1 Product identifier

Product name : TEKNODUR 3840-00 - TS 0050 CLEAR

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

Peknos 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. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 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

- : Warning
- : F226 Flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
 - H336 May cause drowsiness or dizziness.
 - 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

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Precautionary statements		
Prevention	-	 Wear protective gloves. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe vapour.
Response	:	₱314 - Get medical advice/attention if you feel unwell.
Storage	:	₱403 + ₽233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	Contains: Xylene; Solvent naphtha (petroleum), light aromatic; 2-ethoxy- 1-methylethyl acetate and 2,3-epoxypropyl neodecanoat
Supplemental label elements	1	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do	:	None known.

not result in classification

SECTION 3: Composition/information on ingredients

: Mixture				
Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤25	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]
REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4	≥10 - ≤21	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	-	[1]
REACH #: 01-2119475116-39 EC: 259-370-9 CAS: 54839-24-6 Index: 603-177-00-8	≥10 - ≤25	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1]
REACH #: 01-2119485493-29 EC: 204-658-1	≤10	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
	e of previous is	sue : 20/05/2019	Version : 2	2/39
	Identifiers REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9 REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4 REACH #: 01-2119475116-39 EC: 259-370-9 CAS: 54839-24-6 Index: 603-177-00-8 REACH #: 01-2119485493-29 EC: 204-658-1 : 16/04/2025 Date	Identifiers % REACH #: >10 - ≤25 01-2119488216-32 ≥10 - ≤25 E:: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9 REACH #: >10 - ≤21 01-2119455851-35 ≥10 - ≤21 CAS: 64742-95-6 Index: 649-356-00-4 REACH #: ≥10 - ≤25 01-2119475116-39 ≥10 - ≤25 CAS: 54839-24-6 Index: 603-177-00-8 REACH #: ≥10 - ≤25 O1-2119475116-39 ≥10 - ≤25 CAS: 54839-24-6 Index: 603-177-00-8 REACH #: ≤10 01-2119485493-29 ≤10 E:: 204-658-1	Identifiers % Classification REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9 ≥10 - ≤25 Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304 REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4 ≥10 - ≤21 Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H335 STOT SE 3, H336 REACH #: 01-2119475116-39 EC: 259-370-9 CAS: 54839-24-6 Index: 603-177-00-8 ≥10 - ≤25 Flam. Liq. 3, H226 STOT SE 3, H336 REACH #: 01-2119485493-29 EC: 204-658-1 ≥10 - ≤25 Flam. Liq. 3, H226 STOT SE 3, H336 MEACH #: 01-2119485493-29 EC: 204-658-1 ≤10 Flam. Liq. 3, H226 STOT SE 3, H336 MEACH #: 01-2119485493-29 EC: 204-658-1 ≤10 Flam. Liq. 3, H226 STOT SE 3, H336 MEACH #: 01-2119485493-29 EC: 204-658-1 ≤10 Flam. Liq. 3, H226 STOT SE 3, H336	Identifiers%ClassificationSpecific Conc. Limits, M-factors and ATEsREACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9≥10 - ≤25Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H322 Skin Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ IREACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4≥10 - ≤21Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066-REACH #: 01-2119475116-39 EC: 259-370-9 CAS: 54839-24-6 Index: 603-177-00-8≥10 - ≤25Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox 1, H304 Aquatic Chronic 2, H411 EUH066-REACH #: 01-2119485493-29 EC: 204-658-1≥10Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox 5, H336 Asp. Tox 8, H336-

	CAS: 123-86-4 Index: 607-025-00-1				
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤5	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]
2,3-epoxypropyl neodecanoat	REACH #: 01-2119431597-33 EC: 247-979-2 CAS: 26761-45-5	<1	Skin Sens. 1, H317 Muta. 2, H341 Repr. 2, H361d Aquatic Chronic 2, H411	-	[1]
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	REACH #: 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5	≤0.38	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
·			See Section 16 for the full text of the H statements declared above.		

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

Туре

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.

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Ducto sting of first states	 Ne setting shall be delegating the big and setting and setting and delegating the big to be the big of the setting of the big of t
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If 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.
	ns and effects, both acute and delayed
Over-exposure signs/symp	<u>toms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
4.3 Indication of any immedi	ate medical attention and special treatment needed
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: Firefigh	ting 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 from the substance or mixture

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

SECTION 6: Accidental release measures

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

SECTION 7: Handling and storage

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

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage

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

Seveso Directive - Reporting thresholds

Danger criteria		
Category	Notification and MAPP threshold	Safety report threshold
₽5c	5000 tonnes	50000 tonnes

7.3 Specific end use(s)

: Not available.

Recommendations Industrial sector specific : Not available. solutions

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
X ylene	Regulation on Limit Values - MAC (Austria, 4/2021) [Xylol (alle Isomeren, rein)] PEAK 15 minutes: 442 mg/m ³ 4 times per shift. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm 4 times per shift. TWA 8 hours: 221 mg/m ³ .
2-ethoxy-1-methylethyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021) PEAK 15 minutes: 1200 mg/m ³ 4 times per shift. PEAK 15 minutes: 200 ppm 4 times per shift. TWA 8 hours: 300 mg/m ³ . TWA 8 hours: 50 ppm.
n-Butyl acetate	Regulation on Limit Values - MAC (Austria, 4/2021) [Butylacetat alle Isomeren außer tert-Butylacet] CEIL: 480 mg/m ³ . CEIL: 100 ppm. TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm.
Ethylbenzene	Regulation on Limit Values - MAC (Austria, 4/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 440 mg/m ³ . CEIL 5 minutes: 200 ppm 8 times per shift. CEIL 5 minutes: 880 mg/m ³ 8 times per shift.
2,3-epoxypropyl neodecanoat	Regulation on Limit Values - MAC (Austria, 4/2021) [1,2-Epoxy 3-(tolyloxy)propan (alle Isomeren)] Carc B. TWA 8 hours: 10 ppm. TWA 8 hours: 70 mg/m ³ . PEAK 15 minutes: 20 ppm 4 times per shift. PEAK 15 minutes: 140 mg/m ³ 4 times per shift.
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Kylene Limit values (Belgium, 122023) [Kylene] Absorbed through skin. TWA & hours: 20 pm, STEL 15 minutes: 100 ppm, STEL 15 minutes: 100 ppm, STEL 15 minutes: 102 ppm, TWA & hours: 221 mg/m ² . n-Butyl acetate Limit values (Belgium, 122023) [butylacetast] STEL 15 minutes: 130 ppm. TWA & hours: 20 ppm. Limit value & hours: 221 mg/m ² . Limit value & hours: 421 mg/m ² . Limit value & hours: 421 mg/m ² . Limit value & hours: 421 mg/m ² . Limit value & hours: 435 mg/m ² . Limit value & hours: 423 mg/m ² . SteLV 15 minutes: 700 ppm. EV 9 hours: 221 mg/m ² . EV 9 hours: 50 ppm. EV 9 hours: 50 ppm. EV 9 hours: 50 ppm. EV 9 hours: 50 ppm. EV 9 hours: 20 mg/m ² . EV		hereener hreesener
n=Butyl acetateLimit values (Beigium, 122023) (butylacetaat) STEL 15 minutes: 150 ppm. TWA 8 hours: 350 ppm.EthylbenzeneLimit values (Beigium, 122023) Absorbed through skin. TWA 8 hours: 350 ppm.What is the state of the st	₩ylene	TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ³ . STEL 15 minutes: 100 ppm.
Was a hours: 20 ppm. Twa shours: 87 upm?.Was a hours: 82 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) (Xylene) Absorbed through skin.Name: Market B hours: 82 upm?.Hauth - Ordinance No 13/2003. (Buigaria, 4/2024) (Xylene) Absorbed through skin.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 82 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 80 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 80 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 80 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 80 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 80 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 80 upm?.Ministry of Labour and Social Policy and the Ministry of Heath - Ordinance No 13/2003. (Buigaria, 4/2024) Absorbed timutue 8 hours: 8	n-Butyl acetate	Limit values (Belgium, 12/2023) [butylacetaat] STEL 15 minutes: 712 mg/m ³ . STEL 15 minutes: 150 ppm. TWA 8 hours: 238 mg/m ³ .
Health - Ordinance No 13/2003. (Bulgaria, 4/2024) [Xylene] Absorbed through skin. Limit value 8 hours: 221 mg/m ² . Limit value 8 hours: 50 ppm. Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 50 ppm. Winistry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 50 ppm. Ethylbenzene Winistry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Limit value 8 hours: 435 mg/m ³ . Limit value 8 hours: 435 mg/m ³ . Limit value 9 hours: 425 mg/m ³ . Kylene Solvent naphtha (petroleum), light aromatic N-Butyl acetate N-Butyl acetate Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 122023) (Evelongin ³ . (Croatia, 122023) Stelley 12 V 100 ppm. EUV 100 ppm. EUV 100 minutes: 150 ppm. Critiance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croat	Ethylbenzene	TWA 8 hours: 20 ppm. TWA 8 hours: 87 mg/m ³ . STEL 15 minutes: 125 ppm.
n-Butyl acetate Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 241 mg/m ² . Limit value 8 hours: 241 mg/m ² . Ethylbenzene Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Imit value 8 hours: 50 ppm. Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Imit value 8 hours: 50 ppm. Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Solvent naphtha (petroleum), light aromatic Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) [ksilen] Absorbed through skin. n-Butyl acetate Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) [ksilen] Absorbed through skin. n-Butyl acetate Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) n-Butyl acetate Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) n-Butyl acetate Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin.	₩ylene	Health - Ordinance No 13/2003. (Bulgaria, 4/2024) [Xylene] Absorbed through skin. Limit value 8 hours: 221 mg/m ³ . Limit value 15 minutes: 442 mg/m ³ . Limit value 15 minutes: 100 ppm.
Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Wilene Wylene Solvent naphtha (petroleum), light aromatic N-Butyl acetate N-Butyl acetate Ethylbenzene Croatia, 12/2023) Ethylbenzene Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) (Ksilen] Absorbed through skin. STELV 15 minutes: 442 mg/m ^a . Solvent naphtha (petroleum), light aromatic N-Butyl acetate P-Butyl acetate P-Butyl acetate Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 723 mg/m ³ . ELV: 100 ppm. ELV: 100 ppm. ELV 15 minutes: 723 mg/m ³ . STELV 15 minutes: 723 mg/m ³ . STELV 15 minutes: 723 mg/m ³ . STELV 15 minutes: 160 ppm. EV 8 hours: 241 mg/m ³ . EV 8 hours: 241 mg/m ³ . STELV 15 minutes: 150 ppm. I/Croatia, 12/2023) STELV 15 minutes: 100 ppm. EV 8 hours: 241 mg/m ³ . EV 8 hours: 242 mg/m ³ . STELV 15 m	n-Butyl acetate	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 241 mg/m ³ . Limit value 15 minutes: 723 mg/m ³ . Limit value 15 minutes: 150 ppm.
hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) [ksilen] Absorbed through skin. STELV 15 minutes: 100 ppm. ELV 8 hours: 201 mg/m³. ELV 8 hours: 201 mg/m³. ELV 8 hours: 50 ppm. Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia) ELV: 100 ppm. ELV: 400 mg/m³. Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia) ELV: 400 mg/m³. ELV: 400 mg/m³. Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 723 mg/m³. ELV 8 hours: 20 ppm. Ethylbenzene Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 800 ppm. ELV 8 hours: 200 ppm. ELV 8 hours: 200 ppm. ELV 8 hours: 420 g/m³. STELV 15 minutes: 800 ppm. ELV 8 hours: 100 ppm. ELV 8 hours: 200 ppm. ELV 8 hours: 100	Ethylbenzene	Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Limit value 8 hours: 435 mg/m ³ .
n-Butyl acetate hazardous chemicals at work, exposure limit values (Annex I) (Croatia) ELV: 100 ppm. ELV: 400 mg/m ³ . Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 150 ppm. ELV 8 hours: 241 mg/m ³ . ELV 8 hours: 50 ppm. Ethylbenzene Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 884 mg/m ³ . STELV 15 minutes: 200 ppm. ELV 8 hours: 442 mg/m ³ . ELV 8 hours: 100 ppm. Date of issue/Date of revision :16/04/2025 Date of previous issue :20/05/2019 Version :2 7/39	₩ylene	hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) [ksilen] Absorbed through skin. STELV 15 minutes: 442 mg/m ³ . STELV 15 minutes: 100 ppm. ELV 8 hours: 221 mg/m ³ .
n-Butyl acetate Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 723 mg/m³. STELV 15 minutes: 150 ppm. ELV 8 hours: 241 mg/m³. Ethylbenzene Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 884 mg/m³. STELV 15 minutes: 200 ppm. Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 884 mg/m³. STELV 15 minutes: 200 ppm. ELV 8 hours: 100 ppm. ELV 8 hours: 100 ppm.	Solvent naphtha (petroleum), light aromatic	hazardous chemicals at work, exposure limit values (Annex I) (Croatia) ELV: 100 ppm.
Ethylbenzene Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 884 mg/m ³ . STELV 15 minutes: 200 ppm. ELV 8 hours: 442 mg/m ³ . ELV 8 hours: 100 ppm. ELV 8 hours: 100 ppm. ELV 8 hours: 100 ppm.	n-Butyl acetate	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 723 mg/m ³ . STELV 15 minutes: 150 ppm. ELV 8 hours: 241 mg/m ³ .
	Ethylbenzene	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) Absorbed through skin. STELV 15 minutes: 884 mg/m ³ . STELV 15 minutes: 200 ppm. ELV 8 hours: 442 mg/m ³ .
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Kylene Department of labour inspection (Cyprus, 72021) [Eu&évio, jurck' orcup/sh, sk@pd) Absorbed through skin. STEL 15 minutes: 100 ppm. TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ² . TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ² . Department of labour inspection (Cyprus, 7/2021) Absorbed furrough skin. STEL 15 minutes: 100 ppm. TWA 8 hours: 241 mg/m ² . Ethylbenzene Department of labour inspection (Cyprus, 7/2021) Absorbed furrough skin. TWA 8 hours: 200 mg/m ² . TWA 8 hours: 200 mg/m ² . Stell 15 minutes: 200 mg/m ² . NA 8 hours: 200 mg/m ² . Stell 15 minutes: 1000 mg/m ² . Stell 15 minutes: 1000 mg/m ² . Stell 15 minutes: 1000 mg/m ² . TWA 8 hours: 200 mg/m ² . Stell 15 minutes: 1000 mg/m ² . Stell 15		
n-Butyl acetate Department of labour inspection (Cyprus, 7/2021) STEL 15 minutes: 723 mg/m². Ethylbenzene Department of labour inspection (Cyprus, 7/2021) Absorbed through skin. With a bours: 50 ppm. TWA 8 hours: 50 ppm. With 8 hours: 100 ppm. TWA 8 hours: 50 ppm. With 8 hours: 100 ppm. TWA 8 hours: 100 ppm. With 8 hours: 100 ppm. TWA 8 hours: 100 ppm. With 8 hours: 100 ppm. TWA 8 hours: 100 ppm. With 8 hours: 100 ppm. TWA 8 hours: 100 ppm. Stell 15 minutes: 80 at 9 ppm. TWA 8 hours: 100 ppm. Solvent naphtha (petroleum), light aromatic Government regulation of Czech Republic PEL/NPK-P (Czech Republic PEL/NPK-P (Czech Republic 20203) fraites 300 mg/m². n-Butyl acetate Government regulation of Czech Republic PEL/NPK-P (Czech Republic 20203) fraites 300 mg/m². refut acetate Government regulation of Czech Republic PEL/NPK-P (Czech Republic 20203) fraites 300 mg/m². With 8 hours: 20 mg/m². STEL 15 minutes: 500 mg/m². Ethylbenzene Government regulation of Czech Republic PEL/NPK-P (Czech Republic 20203) hours 30 ppm. With 8 hours: 20 mg/m². STEL 15 minutes: 500 mg/m². NWA 8 hours: 20 mg/m². STEL 15 minutes: 300 mg/m². NWA 8 hours: 20 mg/m². STEL 15 minutes: 300 mg/m². NWA 8 hours: 20 mg/m². STEL 15 minutes: 300 mg/m². NWA 8 hours: 20 mg/m². STEL 15 minutes: 400 mg/	₩ylene	μικτά ισομερή, καθαρά] Absorbed through skin. STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ . TWA 8 hours: 50 ppm.
Ethylbenzene Department of labour inspection (Cyprus, 7/2021) Absorbed through skin. Stell 15 minutes: 804 mg/m ³ . TWA 8 hours: 100 pm, TWA 8 hours: 100 pm, TWA 8 hours: 200 mg/m ³ . Stell 15 minutes: 200 pm, TWA 8 hours: 200 mg/m ³ . Stell 15 minutes: 100 mg/m ³ . Stell	n-Butyl acetate	Department of labour inspection (Cyprus, 7/2021) STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ . TWA 8 hours: 50 ppm.
Republic, 1/2/023) [xylen] Absorbed through skin. TWA 8 hours: 200 mg/m ² . Solvent naphtha (petroleum), light aromatic Republic, 1/2/023) [nafts active 90.66 ppm.] Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 1/2/023) [nafts active 90.66 ppm.] n-Butyl acetate Bours: 200 mg/m ² . STEL 15 minutes: 1000 mg/m ³ . STEL 15 minutes: 100 mg/m ³ .	Ethylbenzene	Department of labour inspection (Cyprus, 7/2021) Absorbed through skin. STEL 15 minutes: 884 mg/m ³ . TWA 8 hours: 100 ppm. TWA 8 hours: 442 mg/m ³ .
Republic, 12/2023) [nafts solventni] TWA & hours: 200 mg/m ³ . STEL 15 minutes: 1000 mg/m ³ . Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) TWA & hours: 211 mg/m ³ . STEL 15 minutes: 723 mg/m ³ . STEL 15 minutes: 720 mg/m ³ .	₩ylene	Republic, 12/2023) [xylen] Absorbed through skin. TWA 8 hours: 200 mg/m ³ . TWA 8 hours: 45.33 ppm. STEL 15 minutes: 400 mg/m ³ .
n-Butyl acetate Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) TWA 8 hours: 241 mg/m ² , STEL 15 minutes: 723 mg/m ² , STEL 15 minutes: 723 mg/m ² , STEL 15 minutes: 150 ppm. Ethylbenzene Government regulation of Czech Republic PEL/NPK-P (Czech Republic 72/2023) Absorbed through skin. TWA 8 hours: 200 mg/m ³ . STEL 15 minutes: 102033) Absorbed through skin. TWA 8 hours: 200 mg/m ³ . STEL 15 minutes: 113.32 ppm. Kylene Working Environment Authority (Denmark, 3/2024) [xylen, alle isomere] Absorbed through skin. n-Butyl acetate Working Environment Authority (Denmark, 3/2024) [xylen, alle isomere] n-Butyl acetate Working Environment Authority (Denmark, 3/2024) [butylacetat, alle isomere] TWA 8 hours: 109 mg/m ³ . STEL 15 minutes: 100 ppm. n-Butyl acetate Working Environment Authority (Denmark, 3/2024) [butylacetat, alle isomere] TWA 8 hours: 201 mg/m ³ . STEL 15 minutes: 100 ppm. TWA 8 hours: 201 mg/m ³ . STEL 15 minutes: 100 ppm. Ethylbenzene Working Environment Authority (Denmark, 3/2024) K. Absorbed through skin. TWA 8 hours: 201 mg/m ³ . STEL 15 minutes: 100 ppm. TWA 8 hours: 201 mg/m ³ . STEL 15 minutes: 434 mg/m ³ . STEL 15 minutes: 100 ppm. TWA 8 hours: 217 mg/m ³ .	Solvent naphtha (petroleum), light aromatic	Republic, 12/2023) [nafta solventní] TWA 8 hours: 200 mg/m ³ .
Republic, 12/2023) Absorbed through skin. TWA 8 hours: 200 mg/m ⁹ . TWA 8 hours: 503 ppm. STEL 15 minutes: 500 mg/m ⁹ . STEL 15 minutes: 113.32 ppm. Working Environment Authority (Denmark, 3/2024) [xylen, alle isomere] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 109 mg/m ⁹ . STEL 15 minutes: 100 mg/m ⁹ . STEL 15 minutes: 100 mg/m ⁹ . STEL 15 minutes: 100 ppm. n-Butyl acetate Working Environment Authority (Denmark, 3/2024) [butylacetat, alle isomere] TWA 8 hours: 25 ppm. TWA 8 hours: 50 ppm. Working Environment Authority (Denmark, 3/2024) K. Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 100 ppm. TWA 8 hours: 100 ppm. STEL 15 minutes: 100 ppm. STEL 15 minutes: 100 ppm. <td>n-Butyl acetate</td> <td>Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) TWA 8 hours: 241 mg/m³. STEL 15 minutes: 723 mg/m³. STEL 15 minutes: 150 ppm.</td>	n-Butyl acetate	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 723 mg/m ³ . STEL 15 minutes: 150 ppm.
isomere] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 25 ppm. TWA 8 hours: 25 ppm. TWA 8 hours: 240 mg/m³. STEL 15 minutes: 442 mg/m³. STEL 15 minutes: 100 ppm. Working Environment Authority (Denmark, 3/2024) [butylacetat, alle isomerer] TWA 8 hours: 241 mg/m³. STEL 15 minutes: 723 mg/m³. STEL 15 minutes: 150 ppm. Working Environment Authority (Denmark, 3/2024) K. Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 50 ppm. TWA 8 hours: 50 ppm. TWA 8 hours: 100 ppm. TWA 8 hours: 50 ppm. TWA 8 hours: 50 ppm. TWA 8 hours: 100 ppm. STEL 15 minutes: 100 ppm.	Ethylbenzene	Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) Absorbed through skin. TWA 8 hours: 200 mg/m ³ . TWA 8 hours: 45.33 ppm. STEL 15 minutes: 500 mg/m ³ .
Image: constraint of the system of the sy	₩ylene	isomere] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 109 mg/m ³ . STEL 15 minutes: 442 mg/m ³ .
Ethylbenzene Working Environment Authority (Denmark, 3/2024) K. Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 217 mg/m³. STEL 15 minutes: 434 mg/m³. STEL 15 minutes: 100 ppm. Date of issue/Date of revision : 16/04/2025 Date of previous issue : 20/05/2019 Version : 2 8/39	n-Butyl acetate	[butylacetat, alle isomerer] TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 723 mg/m ³ .
	Ethylbenzene	Working Environment Authority (Denmark, 3/2024) K. Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 217 mg/m ³ . STEL 15 minutes: 434 mg/m ³ .
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	vylene -	Occupational exposure limits, Regulation No. 293 (Estonia,
		4/2024) [ksüleen] Absorbed through skin.
		TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm.
		STEL 15 minutes: 450 mg/m ³ .
		TWA 8 hours: 200 mg/m ³ .
	n-Butyl acetate	Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024)
		STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ .
		TWA 8 hours: 50 ppm.
		TWA 8 hours: 241 mg/m ³ .
	Ethylbenzene	Occupational exposure limits, Regulation No. 293 (Estonia,
		4/2024) Absorbed through skin,Sensitiser. TWA 8 hours: 442 mg/m³.
		TWA 8 hours: 100 ppm.
		STEL 15 minutes: 884 mg/m ³ .
		STEL 15 minutes: 200 ppm.
	X ylene	EU OEL (Europe, 1/2022) [xylene, mixed isomers] Absorbed
		through skin. TWA 8 hours: 50 ppm.
		TWA 8 hours: 221 mg/m ³ .
		STEL 15 minutes: 100 ppm.
		STEL 15 minutes: 442 mg/m ³ .
	n-Butyl acetate	EU OEL (Europe, 1/2022) STEL 15 minutes: 150 ppm.
		STEL 15 minutes: 723 mg/m ³ .
		TWA 8 hours: 241 mg/m ³ .
		TWA 8 hours: 50 ppm.
	Ethylbenzene	EU OEL (Europe, 1/2022) Absorbed through skin. TWA 8 hours: 100 ppm.
		TWA 8 hours: 442 mg/m ³ .
		STEL 15 minutes: 200 ppm.
		STEL 15 minutes: 884 mg/m ³ .
	Viene	Institute of Occupational Health, Ministry of Social Affairs
		(Finland, 10/2021) [Ksyleeni] Absorbed through skin. STEL 15 minutes: 440 mg/m ³ .
		TWA 8 hours: 220 mg/m ³ .
		TWA 8 hours: 50 ppm.
	Colvent periods (netroloum) light crometic	STEL 15 minutes: 100 ppm.
	Solvent naphtha (petroleum), light aromatic	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2020)
		TWA 8 hours: 100 mg/m ³ .
	n-Butyl acetate	Institute of Occupational Health, Ministry of Social Affairs
		(Finland, 10/2021) TWA 8 hours: 150 ppm.
		TWA 8 hours: 720 mg/m ³ .
		STEL 15 minutes: 200 ppm.
		STEL 15 minutes: 960 mg/m ³ .
	Ethylbenzene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) Absorbed through skin.
		TWA 8 hours: 50 ppm.
		TWA 8 hours: 220 mg/m ³ .
		STEL 15 minutes: 200 ppm. STEL 15 minutes: 880 mg/m ³ .
		C C
	X ylene	Ministry of Labor (France, 6/2024) [xylènes, isomères mixtes, purs] Absorbed through skin.
		STEL 15 minutes: 442 mg/m ³ . Notes: Binding regulatory limit
		values (article R. 4412-149 of the Labor Code)
		STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
		TWA 8 hours: 221 mg/m ³ . Notes: Binding regulatory limit values
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	(article R. 4412-149 of the Labor Code) TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values
Solvent naphtha (petroleum), light aromatic	 (article R. 4412-149 of the Labor Code) Ministry of Labor (France, 6/2024) [hydrocarbures en C6-C12] TWA 8 hours: 1000 mg/m³. Form: Vapour. Notes: Permissible limit values (circulars)
n-Butyl acetate	STEL 15 minutes: 1500 mg/m ³ . Form: Vapour. Notes: Permissible limit values (circulars) Ministry of Labor (France, 6/2024)
	TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 241 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 150 ppm. Notes: Binding regulatory limit value (article R. 4412-149 of the Labor Code) STEL 15 minutes: 723 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
Ethylbenzene	Ministry of Labor (France, 6/2024) Absorbed through skin. TWA 8 hours: 20 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 88.4 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 442 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit value (article R. 4412-149 of the Labor Code)
Kylene	 TRGS 900 OEL (Germany, 6/2024) [Xylol] Absorbed through ski TWA 8 hours: 220 mg/m³. PEAK 15 minutes: 440 mg/m³. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm. DFG MAC-values list (Germany, 7/2023) [Xylene] Develop D. Absorbed through skin. TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 220 mg/m³. PEAK 15 minutes: 440 mg/m³ 4 times per shift [Interval: 1 hour].
2-ethoxy-1-methylethyl acetate	 TRGS 900 OEL (Germany, 6/2024) Absorbed through skin. TWA 8 hours: 120 mg/m³. PEAK 15 minutes: 240 mg/m³. TWA 8 hours: 20 ppm. PEAK 15 minutes: 40 ppm. DFG MAC-values list (Germany, 7/2023) Develop C. Absorbed through skin. PEAK 15 minutes: 40 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 120 mg/m³. PEAK 15 minutes: 240 mg/m³ 4 times per shift [Interval: 1 hour]. TWA 8 hours: 20 ppm.
n-Butyl acetate	 TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 300 mg/m³. TWA 8 hours: 62 ppm. PEAK 15 minutes: 600 mg/m³. PEAK 15 minutes: 124 ppm. DFG MAC-values list (Germany, 7/2023) Develop C. TWA 8 hours: 100 ppm. PEAK 15 minutes: 200 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 480 mg/m³. PEAK 15 minutes: 960 mg/m³ 4 times per shift [Interval: 1 hour].
Ethylbenzene	TRGS 900 OEL (Germany, 6/2024) Absorbed through skin. TWA 8 hours: 88 mg/m ³ . PEAK 15 minutes: 176 mg/m ³ . TWA 8 hours: 20 ppm. PEAK 15 minutes: 40 ppm.

	 DFG MAC-values list (Germany, 7/2023) Carc 4, Develop C. Absorbed through skin. PEAK 15 minutes: 40 ppm 4 times per shift [Interval: 1 hour]. PEAK 15 minutes: 176 mg/m³ 4 times per shift [Interval: 1 hour]. TWA 8 hours: 88 mg/m³. TWA 8 hours: 20 ppm.
₩ylene	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) [ξυλόλια (όλα τα ισομερή)] Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 650 mg/m ³ .
n-Butyl acetate	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ .
Ethylbenzene	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021) TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m ³ . STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m ³ .
₩ylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) [xilol izomerek keveréke] Absorbed through skin. TWA 8 hours: 221 mg/m ³ . PEAK 15 minutes: 442 mg/m ³ . PEAK 15 minutes: 100 ppm. TWA 8 hours: 50 ppm.
n-Butyl acetate	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) Sensitiser. TWA 8 hours: 241 mg/m ³ . PEAK 15 minutes: 723 mg/m ³ . PEAK 15 minutes: 150 ppm. TWA 8 hours: 50 ppm.
Ethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) Absorbed through skin. TWA 8 hours: 442 mg/m ³ . PEAK 15 minutes: 884 mg/m ³ . PEAK 15 minutes: 200 ppm. TWA 8 hours: 100 ppm.
₩ylene	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023) [Xýlen, allir ísómerar] Absorbed through skin. STEL 15 minutes: 442 mg/m ³ . STEL 15 minutes: 100 ppm. TWA 8 hours: 109 mg/m ³ . TWA 8 hours: 25 ppm.
n-Butyl acetate	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023) [bútýlasetat, allir ísómerar] TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 723 mg/m ³ . STEL 15 minutes: 150 ppm.
Ethylbenzene	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2023) Absorbed through skin. STEL 15 minutes: 884 mg/m ³ . STEL 15 minutes: 200 ppm. TWA 8 hours: 200 mg/m ³ . TWA 8 hours: 50 ppm.
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▼ylene	 NAOSH (Ireland, 4/2024) [xylene] Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 50 ppm. OELV 8 hours: 221 mg/m³. OELV 15 minutes: 100 ppm. OELV 15 minutes: 442 mg/m³.
n-Butyl acetate	 NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 50 ppm. OELV 8 hours: 241 mg/m³. OELV 15 minutes: 150 ppm. OELV 15 minutes: 723 mg/m³.
Ethylbenzene	 NAOSH (Ireland, 4/2024) Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 100 ppm. OELV 8 hours: 442 mg/m³. OELV 15 minutes: 200 ppm. OELV 15 minutes: 884 mg/m³.
₩ylene	Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020) [Xilene, isomeri misti, puro] Absorbed through skin. Limit value 8 hours: 50 ppm. Limit value 8 hours: 221 mg/m ³ . Short Term 15 minutes: 100 ppm. Short Term 15 minutes: 442 mg/m ³ .
n-Butyl acetate	EU OEL (Europe, 1/2022) STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ . TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm.
Ethylbenzene	Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020) Absorbed through skin. Limit value 8 hours: 100 ppm. Limit value 8 hours: 442 mg/m ³ . Short Term 15 minutes: 200 ppm. Short Term 15 minutes: 884 mg/m ³ .
₩ylene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) [Ksilols] Absorbed through skin. TWA 8 hours: 221 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ .
n-Butyl acetate	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ . TWA 8 hours: 50 ppm.
Ethylbenzene	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) Absorbed through skin. TWA 8 hours: 442 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m ³ .
₩ylene	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) [ksilenas, mišrūs izomerai, grynas] Absorbed through skin. STEL 15 minutes: 442 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. TWA 8 hours: 221 mg/m ³ .
n-Butyl acetate	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 241 mg/m ³ .
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	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 723 mg/m ³ .
	STEL 15 minutes: 150 ppm.
thylbenzene	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024)
	Absorbed through skin. TWA 8 hours: 442 mg/m³.
	TWA 8 hours: 100 ppm.
	STEL 15 minutes: 884 mg/m ³ .
	STEL 15 minutes: 200 ppm.
ylene	Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021) [xylène Isomères mixtes, pures]
	Absorbed through skin.
	TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 442 mg/m ³ .
-Butyl acetate	Grand-Duchy Regulation 2016. Chemical agents. Annex I
,	(Luxembourg, 3/2021)
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 723 mg/m ³ .
	TWA 8 hours: 50 ppm.
() . ()	TWA 8 hours: 241 mg/m ³ .
thylbenzene	Grand-Duchy Regulation 2016. Chemical agents. Annex I
	(Luxembourg, 3/2021) Absorbed through skin. TWA 8 hours: 100 ppm.
	TWA 8 hours: 442 mg/m ³ .
	STEL 15 minutes: 200 ppm.
	STEL 15 minutes: 884 mg/m ³ .
ylene	EU OEL (Europe, 1/2022) [xylene, mixed isomers] Absorbed
yiono	through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 442 mg/m ³ .
-Butyl acetate	EU OEL (Europe, 1/2022)
	STEL 15 minutes: 150 ppm.
	STEL 15 minutes: 723 mg/m ³ . TWA 8 hours: 241 mg/m ³ .
	TWA 8 hours: 50 ppm.
thylbenzene	EU OEL (Europe, 1/2022) Absorbed through skin.
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 442 mg/m ³ .
	STEL 15 minutes: 200 ppm.
	STEL 15 minutes: 884 mg/m ³ .
ylene	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 5/2024) [xyleen, o-, m-, p-isomeren] Absorbed
	through skin.
	TWA 8 hours: 210 mg/m ³ . STEL 15 minutes: 442 mg/m ³ .
	STEL 15 minutes: 100 ppm.
	TWA 8 hours: 47.5 ppm.
-Butyl acetate	Ministry of Social Affairs and Employment, Legal limit values
,	(Netherlands, 5/2024)
	TWA 8 hours: 241 mg/m ³ .
	STEL 15 minutes: 723 mg/m ³ .
	STEL 15 minutes: 150 ppm.
	TWA 8 hours: 50 ppm.
thylbenzene	Ministry of Social Affairs and Employment, Legal limit values
	(Netherlands, 5/2024) Absorbed through skin.
	TWA 8 hours: 215 mg/m ³ . STEL 15 minutes: 430 mg/m ³ .
	STEL 15 minutes: 430 mg/m . STEL 15 minutes: 97.3 ppm.

SECTION 8: Exposure controls/personal protection TWA 8 hours: 48.6 ppm. **X**ylene FOR-2011-12-06-1358 (Norway, 12/2022) [xylen] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 108 mg/m³. FOR-2011-12-06-1358 (Norway, 12/2022) n-Butyl acetate STEL 15 minutes: 723 mg/m³. STEL 15 minutes: 150 ppm. TWA 8 hours: 241 mg/m³. TWA 8 hours: 50 ppm. Ethylbenzene FOR-2011-12-06-1358 (Norway, 12/2022) Carc. Absorbed through skin. TWA 8 hours: 5 ppm. TWA 8 hours: 20 mg/m³. **X**ylene Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) [xylene - mixed isomers (1,2-, 1,3-, 1,4-)] Absorbed through skin. TWA 8 hours: 100 mg/m³. STEL 15 minutes: 200 mg/m³. Regulation of the Minister of Family, Labor and Social Policy n-Butyl acetate of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) TWA 8 hours: 240 mg/m³. STEL 15 minutes: 720 mg/m³. Regulation of the Minister of Family, Labor and Social Policy Ethylbenzene of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) Absorbed through skin. TWA 8 hours: 200 mg/m³. STEL 15 minutes: 400 mg/m³. **X**ylene Portuguese Institute of Quality (Portugal, 11/2014) [xileno (isómeros o, m & p)] A4. TWA 8 hours: 100 ppm. STEL 15 minutes: 150 ppm. Portuguese Institute of Quality (Portugal, 11/2014) n-Butyl acetate TWA 8 hours: 150 ppm. STEL 15 minutes: 200 ppm. Portuguese Institute of Quality (Portugal, 11/2014) A3. Ethylbenzene TWA 8 hours: 20 ppm. **X**ylene HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) [xilen] Absorbed through skin. VLA 8 hours: 221 mg/m³. VLA 8 hours: 50 ppm. Short term 15 minutes: 442 mg/m³. Short term 15 minutes: 100 ppm. Solvent naphtha (petroleum), light aromatic HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) [Solvent nafta] Absorbed through skin. VLA 8 hours: 100 mg/m³. Short term 15 minutes: 200 mg/m³. HG 1218/2006, Annex 1, with subsequent modifications and n-Butyl acetate additions (Romania, 3/2024)

Short term 15 minutes: 723 mg/m³. Short term 15 minutes: 150 ppm.

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VLA 8 hours: 241 mg/m³. VLA 8 hours: 50 ppm.

Ethylbenzene	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) Absorbed through skin. VLA 8 hours: 442 mg/m ³ . VLA 8 hours: 100 ppm. Short term 15 minutes: 884 mg/m ³ . Short term 15 minutes: 200 ppm.
₩ylene	Government regulation SR c. 355/2006 (Slovakia, 7/2024) [xylén, zmiešané izoméry] Absorbed through skin, Inhalation sensitiser. TWA 8 hours: 221 mg/m ³ (xylene, mixed isomers). TWA 8 hours: 50 ppm (xylene, mixed isomers). STEL 15 minutes: 442 mg/m ³ (xylene, mixed isomers). STEL 15 minutes: 100 ppm (xylene, mixed isomers).
n-Butyl acetate	Government regulation SR c. 355/2006 (Slovakia, 7/2024) [butylacetáty] Inhalation sensitiser. TWA 8 hours: 241 mg/m ³ (Butyl acetates). TWA 8 hours: 50 ppm (Butyl acetates). STEL 15 minutes: 723 mg/m ³ (Butyl acetates). STEL 15 minutes: 150 ppm (Butyl acetates).
Ethylbenzene	Government regulation SR c. 355/2006 (Slovakia, 7/2024) Absorbed through skin , Inhalation sensitiser. TWA 8 hours: 442 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 884 mg/m ³ . STEL 15 minutes: 200 ppm.
₩ylene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) [ksilen] Absorbed through skin. TWA 8 hours: 221 mg/m ³ . TWA 8 hours: 50 ppm. KTV 15 minutes: 442 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 100 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
2-ethoxy-1-methylethyl acetate	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) KTV 15 minutes: 100 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. TWA 8 hours: 50 ppm. KTV 15 minutes: 600 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. TWA 8 hours: 300 mg/m ³ .
n-Butyl acetate	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) TWA 8 hours: 241 mg/m ³ . TWA 8 hours: 50 ppm. KTV 15 minutes: 723 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 150 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
Ethylbenzene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) Absorbed through skin. TWA 8 hours: 442 mg/m ³ . TWA 8 hours: 100 ppm. KTV 15 minutes: 884 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 200 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
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Ethylbenzene		SUVA (Switzerland, 1/2024) Absorbed through skin , Ototoxicant. TWA 8 hours: 50 ppm. TWA 8 hours: 220 mg/m ³ . STEL 15 minutes: 50 ppm. STEL 15 minutes: 220 mg/m ³ .
n-Butyl acetate		SUVA (Switzerland, 1/2024) TWA 8 hours: 50 ppm. TWA 8 hours: 240 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 720 mg/m ³ .
2-ethoxy-1-methylethyl aceta	te	SUVA (Switzerland, 1/2024) Absorbed through skin. STEL 15 minutes: 100 ppm. STEL 15 minutes: 600 mg/m ³ . TWA 8 hours: 50 ppm. TWA 8 hours: 300 mg/m ³ .
X ylene		SUVA (Switzerland, 1/2024) [Xylol] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 220 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 440 mg/m ³ .
		11/2022) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 220 mg/m ³ . STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m ³ .
Ethylbenzene		 11/2022) [butyl acetate] TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m³. Work environment authority Regulation 2018:1 (Sweden,
¥ylene n-Butyl acetate		 Work environment authority Regulation 2018:1 (Sweden, 11/2022) [xylene] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m³. STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m³. Work environment authority Regulation 2018:1 (Sweden,
Ethylbenzene		National institute of occupational safety and health (Spain, 1/2024) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 441 mg/m ³ . STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m ³ .
		1/2024) TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m ³ .
n-Butyl acetate		TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ . National institute of occupational safety and health (Spain,
X ylene		National institute of occupational safety and health (Spain, 1/2024) [xileno, mezcla isómeros] Absorbed through skin.

⊠ ylene	EH40/2005 WELs (United Kingdom (UK), 1/2020) [xylene, o-,m-,	
	p- or mixed isomers] Absorbed through skin.	
	STEL 15 minutes: 441 mg/m ³ .	
	TWA 8 hours: 50 ppm.	
	TWA 8 hours: 220 mg/m ³ .	
	STEL 15 minutes: 100 ppm.	
n-Butyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020)	
	STEL 15 minutes: 966 mg/m ³ .	
	STEL 15 minutes: 200 ppm.	
	TWA 8 hours: 724 mg/m ³ .	
	TWA 8 hours: 150 ppm.	
Ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed	
	through skin.	
	STEL 15 minutes: 552 mg/m ³ .	
	STEL 15 minutes: 125 ppm.	
	TWA 8 hours: 100 ppm.	
	TWA 8 hours: 441 mg/m ³ .	

Biological exposure indices

Product/ingredient name	Exposure indices
¥ylene	VGU BEI (Austria, 9/2020) [xylenes] BEI Fitness: 1000 μg/l, xylene [in blood]. Sampling time: one yea BEI Fitness: 1.5 g/l, methylhippuricacid [in urine]. Sampling time: one year.
No exposure indices known.	
Ethylbenzene	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Notes: significant skin resorption possible BLV: 2000 mg/g creatinine, mandelic acid and phenylglyoxylic acid – in total [in urine]. Sampling time: at the end of the exposure or at the end of the work shift.
₩ylene	Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) [xylene] BEI: 1.5 mg/l, xylene [in blood]. Sampling time: at the end of the work shift. BEI: 14.13 µmol/l, xylene [in blood]. Sampling time: at the end of the work shift. BEI: 0.88 mol/mol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift. BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the work shift.
Ethylbenzene	Ordinance on the protection of workers from exposure to hazardous chemicals at work, biological limit values (Annex IV) (Croatia, 12/2023) BEI: 1.5 mg/l, ethylbenzene [in blood]. Sampling time: during exposure. BEI: 14.1 µmol/l, ethylbenzene [in blood]. Sampling time: during exposure. BEI: 1.12 mol/mol creatinine, almond acid [in urine]. Sampling time: at the end of the work shift and at the end of the working week. BEI: 1.5 g/g creatinine, almond acid [in urine]. Sampling time: at the end of the work shift and at the end of the working week.
No exposure indices known.	

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, ▼ylene	Government regulation of Czech Republic Limit Values of Biological Exposure Tests (Czech Republic, 9/2015) [Xylene] Biological limit values: 820 µmol/mmol creatinine, methylhippuric acid [in urine]. Sampling time: end of the shift. Biological limit values: 1400 mg/g creatinine, methylhippuric acid [in urine]. Sampling time: end of the shift.
Ethylbenzene	Government regulation of Czech Republic Limit Values of Biological Exposure Tests (Czech Republic, 9/2015) Biological limit values: 1100 μmol/mmol creatinine, almond acid [in urine]. Sampling time: end of the shift. Biological limit values: 1500 mg/g creatinine, almond acid [in urine]. Sampling time: end of the shift.
No exposure indices known.	
No exposure indices known.	
No exposure indices known.	
₩ylene	Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020) [Xylene] BEI: 5 mmol/l, methylhippuricacid [in urine]. Sampling time: at the end of the work shift.
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.	
▼ylene	 DFG BEI-values list (Germany, 7/2023) [Xylene (all isomers)] Notes: danger from percutaneous absorption (see p. 211 and p. 228). BEI: 2000 mg/l, methylhippuric acid (toluric acid) (all isomers) [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) [Xylene (all isomers)] BEI: 2000 mg/l, methylhippuric acid [in urine]. Sampling time: end of exposure or end of shift.
2-ethoxy-1-methylethyl acetate	DFG BEI-values list (Germany, 7/2023) BEI: See Section XII.2: Substances for which no BAT values are currently be derived, but documentaries in the "work Medico- toxicological justifications for BAT values, EKA and BLW", 1-ethoxy-2-propanol [in urine]. Sampling time: end of exposure or end of shift.
Ethylbenzene	 DFG BEI-values list (Germany, 7/2023) Notes: danger from percutaneous absorption (see p. 211 and p. 228). BEI: 250 mg/g creatinine, mandelic acid plus phenyl glyoxylic acid [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) BEI: 250 mg/g creatinine, mandelic acid plus phenylglyoxylic acid [in urine]. Sampling time: end of exposure or end of shift.
No exposure indices known.	
₩ylene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) [xylene] BEI: 1500 mg/g creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the shift. BEI: 860 μmol/mmol creatinine, methylhippuric acid [in urine]. Sampling time: at the end of the shift.
Ethylbenzene	5/2020. (II. 6.) ITM Decree (Hungary, 12/2023) 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
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	shift.
No exposure indices known.	
<mark>,</mark> ∕ylene	NAOSH (Ireland, 1/2011) [Xylene] BMGV: 1.5 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift - As soon as possible after exposure ceases.
Ethylbenzene	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 origi 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.	
X ylene	Minister Cabinet Regulations No.325 - BEI (Latvia, 3/2024) [xylenes (all isomers)] BEI: 2000 mg/l, methylhippuric (toluric) acid (all isomers) [in urine Sampling time: at the end of the exposure or at the end of the shif
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.
Ethylbenzene	Portuguese Institute of Quality (Portugal, 11/2014) BEI: 0.7 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
X ylene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2024) [Xylene] OBLV: 3 g/l, methylhippuric acid [in urine]. Sampling time: end of shift.
Ethylbenzene	HG 1218/2006, Annex 2, with subsequent modifications and additions (Romania, 3/2024) OBLV: 1.5 g/g creatinine, mandelic acid [in urine]. Sampling time end of the week.
₩ylene	Government regulation SR c. 355/2006 (Slovakia, 5/2024) [xylene, all isomers] BLV: 781 µmol/mmol creatinine, as sum of 2,3,4-methylhippuroid acids [in urine]. Sampling time: at the end of exposure or work shift BLV: 1334 mg/g creatinine, as sum of 2,3,4-methylhippuroic acidd [in urine]. Sampling time: at the end of exposure or work shift. BLV: 10355 µmol/l, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 10355 µmol/l, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 14.6 µmol/l, as xylene [in blood]. Sampling time: at the end

	of exposure or work shift. BLV: 2000 mg/l, as sum of 2,3,4-methylhippuroic acids [in urine]. Sampling time: at the end of exposure or work shift. BLV: 1.5 mg/l, as xylene [in blood]. Sampling time: at the end of exposure or work shift.
Ethylbenzene	Government regulation SR c. 355/2006 (Slovakia, 5/2024) BLV: 799 μmol/mmol creatinine, as 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, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts. BLV: 1067 mg/g creatinine, as 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, as 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, as 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, as 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, as 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, as 2 or 4-etylfenol [in urine]. Sampling time: at the end of exposure or work shift; long-term exposure: after several work shifts.
<mark>X</mark> ylene	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) [xylene (all isomers)] BAT: 2 g/l, methylhippuric acid (all isomers) [in urine]. Sampling 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, 4/2024) BAT: 250 mg/g creatinine, mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: at the end of the work shift.
₩ylene	National institute of occupational safety and health (Spain, 1/2024) [Xylenes] VLB: 1 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
Ethylbenzene	National institute of occupational safety and health (Spain, 1/2024) 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.	
X ylene	SUVA (Switzerland, 1/2024) [Xylene, all isomers] BEI: 2 g/l, methyl hippuric acid [in urine]. Sampling time: immediately after exposure or after working hours.
Ethylbenzene	SUVA (Switzerland, 1/2024) BEI: 600 mg/g creatinine, mandelic acid + phenylglyoxylic acid [in urine]. Sampling time: immediately after exposure or after working hours.
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X ylene		EH40/2005 BMGVs (United Kingdom (UK), 1/2020) [Xylene, o-, m-, p- or mixed isomers] BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine].
		Sampling time: post shift.
Recommended monitoring : procedures	European Stand assessment of e values and meas atmospheres - G of exposure to c (Workplace atmos for the measurer	Id be made to monitoring standards, such as the following: ard EN 689 (Workplace atmospheres - Guidance for the exposure by inhalation to chemical agents for comparison with limit surement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment hemical and biological agents) European Standard EN 482 ospheres - General requirements for the performance of procedure ment of chemical agents) Reference to national guidance hethods for the determination of hazardous substances will also be
DNELs/DMELs		
Product/ingredient name		Result
X ylene		DNEL - General population - Long term - Oral 5 mg/kg bw/day <u>Effects</u> : Systemic
		DNEL - General population - Long term - Inhalation 65.3 mg/m ³ Effects: Local
		DNEL - General population - Long term - Inhalation 65.3 mg/m ³ <u>Effects</u> : Systemic
		DNEL - General population - Long term - Dermal 125 mg/kg bw/day <u>Effects</u> : Systemic
		DNEL - Workers - Long term - Dermal 212 mg/kg bw/day <u>Effects</u> : Systemic
		DNEL - Workers - Long term - Inhalation 221 mg/m³ <u>Effects</u> : Local
		DNEL - Workers - Long term - Inhalation 221 mg/m ³ Effects: Systemic
		DNEL - General population - Short term - Inhalation 260 mg/m ³ <u>Effects</u> : Local
		DNEL - General population - Short term - Inhalation 260 mg/m ³ <u>Effects</u> : Systemic
		DNEL - Workers - Short term - Inhalation 442 mg/m³ <u>Effects</u> : Local
		DNEL - Workers - Short term - Inhalation 442 mg/m³ <u>Effects</u> : Systemic
Solvent naphtha (petroleum), li	ght aromatic	DNEL - General population - Long term - Inhalation 0.41 mg/m ³ <u>Effects</u> : Systemic

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SECTION 8: Exposure		DNEL - Workers - Long term -	Inhalation
		1.9 mg/m³ <u>Effects</u> : Systemic	
		DNEL - General population - L 178.57 mg/m³ <u>Effects</u> : Local	ong term - Inhalation
		DNEL - General population - S 640 mg/m³ <u>Effects</u> : Local	hort term - Inhalation
		DNEL - Workers - Long term - 837.5 mg/m³ <u>Effects</u> : Local	Inhalation
		DNEL - Workers - Short term - 1066.67 mg/m³ <u>Effects</u> : Local	Inhalation
		DNEL - General population - S 1152 mg/m ³ <u>Effects</u> : Systemic	hort term - Inhalation
		DNEL - Workers - Short term - 1286.4 mg/m³ <u>Effects</u> : Systemic	Inhalation
2-ethoxy-1-methylethyl acetate		DNEL - General population - L 13.1 mg/kg bw/day <u>Effects</u> : Systemic	ong term - Oral
		DNEL - General population - L 62 mg/kg bw/day <u>Effects</u> : Systemic	ong term - Dermal
		DNEL - Workers - Long term - 103 mg/kg bw/day <u>Effects</u> : Systemic	Dermal
		DNEL - Workers - Long term - 152 mg/m³ <u>Effects</u> : Systemic	Inhalation
		DNEL - General population - L 181 mg/m³ <u>Effects</u> : Systemic	ong term - Inhalation
		DNEL - General population - S 1420 mg/m ³ <u>Effects</u> : Systemic	hort term - Inhalation
		DNEL - Workers - Short term - 2366 mg/m³ <u>Effects</u> : Systemic	Inhalation
n-Butyl acetate		DNEL - General population - L 2 mg/kg bw/day <u>Effects</u> : Systemic	ong term - Oral
		DNEL - General population - S 2 mg/kg bw/day <u>Effects</u> : Systemic	hort term - Oral
		DNEL - General population - L 3.4 mg/kg bw/day	ong term - Dermal
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Effects: Systemic

DNEL - General population - Short term - Dermal 6 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 7 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Short term - Dermal 11 mg/kg bw/day <u>Effects</u>: Systemic

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

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

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

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

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

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

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

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

DMEL - Workers - Long term - Inhalation 442 mg/m³ <u>Effects</u>: Local

DMEL - Workers - Short term - Inhalation 884 mg/m³ <u>Effects</u>: Systemic

DNEL - General population - Long term - Oral 1.6 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 15 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 77 mg/m³ Effects: Systemic

Ethylbenzene

Date of previous issue

DNEL - Workers - Long term - Dermal 180 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Short term - Inhalation 293 mg/m³ <u>Effects</u>: Local

DNEL - General population - Long term - Oral 2.5 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Dermal 2.5 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 4 mg/m³ Effects: Systemic

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

DNEL - Workers - Long term - Inhalation 5.88 mg/m³ <u>Effects</u>: Systemic

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

2,3-epoxypropyl neodecanoat

DNEL - General population - Long term - Oral 0.18 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation 0.31 mg/m³ Effects: Systemic

DNEL - General population - Long term - Dermal 0.9 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation 1.27 mg/m³ <u>Effects</u>: Systemic

DNEL - Workers - Long term - Dermal 1.8 mg/kg bw/day <u>Effects</u>: Systemic

PNECs

Not available.

8.2 Exposure controls

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

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.
Fire the encode of the second se
 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 indicate 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
> 8 hours (breakthrough time): 4H / Silver Shield® gloves.
Wash hands before breaks and immediately after handling the product.
 Body protection Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Filter type: A
Filter type (spray application): A P
Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	: Liquid.
Colour	: 🗭lear.
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	:

: 16/04/2025 Date of previous issue

Ingredient name		°C	°F	Method
<mark>p</mark> ≁Butyl acetate		126	258.8	OECD 103
Solvent naphtha (petroleum), light aroma	tic	135 to 210	275 to 410	
Flammability	: Not ava	ilable.	+	
Lower and upper explosion limit		0.8% (xylene) 7.6% (Solvent	naphtha (petroleur	m), light arom.)
Flash point	: Closed	cup: 25°C (77	°F)	
Auto-ignition temperature	:			
Ingredient name		°C	°F	Method
Solvent naphtha (petroleum), light aroma	tic	280 to 470	536 to 878	
2-ethoxy-1-methylethyl acetate		325	617	
Decomposition temperature	: Not ava	ilable.		
рН	: Not app	licable.		
Viscosity	: Not ava	ilable.		
Solubility(ies)	:			
Not available.				
Solubility in water	: Not ava	ilable.		
Partition coefficient: n-octanol/ water	: Not app	licable.		

Vapour pressure

	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
p≁Butyl acetate	11.25096	1.5	DIN EN 13016-2			
Ethylbenzene	9.30076	1.2				
Relative density	: Not	available.	-	•	•	
Density	: 1/g/	cm³				
/apour density	: Not	available.				
Particle characteristics						
Median particle size	: Not	applicable.				

9.2 Other information

9.2.1 Information with regard	to physical hazard classes
Explosive properties	: Not available.
Oxidising properties	: Not available.
9.2.2 Other safety characterist	tics

1

Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 10: Stability and reactivity

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

Acute toxicity Product/ingredient name	Result
	Rat - Oral - LD50
Kylene	4300 mg/kg
	<u>Toxic effects</u> : Liver - Other changes Kidney, Ureter, and Bladder - Other changes
	Rat - Inhalation - LC50 Vapour 21.7 mg/l [4 hours]
Solvent naphtha (petroleum), light aromatic	Rat - Oral - LD50
	8400 mg/kg
	<u>Toxic effects</u> : Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Lung, Thorax, or Respiration - Other changes
n-Butyl acetate	Rat - Oral - LD50
	10760 mg/kg
	EU
	Rabbit - Dermal - LD50 14112 mg/kg
	Rat - Inhalation - LC50 Vapour 0.74 mg/l [4 hours]
Ethylbenzene	Rat - Oral - LD50 3500 mg/kg
	Rabbit - Dermal - LD50 15400 mg/kg
	Rat - Inhalation - LC50 Dusts and mists 29000 mg/l [4 hours]
2,3-epoxypropyl neodecanoat	Rat - Oral - LD50
	>10 g/kg
	<u>Toxic effects</u> : Behavioral - Ataxia Gross Metabolite Changes Weight loss or decreased weight gain
Reaction mass of Bis(1,2,2,6,6-pentamethyl-	Rat - Oral - LD50
4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	3230 mg/kg
	Rat - Dermal - LD50 >3170 mg/kg

Acute toxicity estimates

SECTION 11: Toxicological information

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
FEKNODUR 3840-00	N/A	5964.4	N/A	48.9	N/A
Xylene	4300	1100	N/A	11	N/A
Solvent naphtha (petroleum), light aromatic	8400	N/A	N/A	N/A	N/A
n-Butyl acetate	10760	14112	N/A	N/A	N/A
Ethylbenzene	3500	15400	N/A	11	29000
Reaction mass of Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	3230	N/A	N/A	N/A	N/A

Skin	corrosi	on/irritation

Product/ingredient name Kylene	Result Rat - Skin - Mild irritant Duration of treatment/exposure: 8 hours Amount/concentration applied: 60 uL
	Rabbit - Skin - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
	Rabbit - Skin - Moderate irritant Amount/concentration applied: 100 %
n-Butyl acetate	Rabbit - Skin - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Ethylbenzene	Rabbit - Skin - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 15 mg
2,3-epoxypropyl neodecanoat	Rabbit - Skin - Moderate irritant Amount/concentration applied: 0.5 MI
Conclusion/Summary [Product] : Not available	9.

Serious eye damage/eye irritation	
Product/ingredient name	Result
₩ylene	Rabbit - Eyes - Mild irritant Amount/concentration applied: 87 mg
	Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 5 mg
Solvent naphtha (petroleum), light aromatic	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 uL
n-Butyl acetate	Rabbit - Eyes - Moderate irritant Amount/concentration applied: 100 mg
Ethylbenzene	Rabbit - Eyes - Severe irritant Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

SECTION 11: Toxicological information

Not available.

Conclusion/Summary [Prod	luct] : Not availa	ble.
Poepiratory or skip consitizat	ion	
Respiratory or skin sensitizat Not available.	.1011	
Not available.		
Skin		
Conclusion/Summary [Prod	luct] : Not availa	ble.
Respiratory		
Conclusion/Summary [Prod	luct] : Not availa	ble.
Germ cell mutagenicity		
Not available.		
Conclusion/Summary [Prod	luct] : Not availa	ble.
0		
<u>Carcinogenicity</u> Not available.		
Not available.		
Conclusion/Summary [Prod	luct] : Not availa	ble.
Reproductive toxicity Not available.		
Not avaliable.		
Conclusion/Summary [Prod	luct] : Not availa	ble.
Specific target organ toxicity	(single exposure)	
Specific target organ toxicity Product/ingredient name	<u>(single exposure)</u>	Result
Product/ingredient name ₩ylene		STOT SE 3, H335 (Respiratory tract irritation)
Product/ingredient name		STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation)
Product/ingredient name ₩ylene	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation)
Product/ingredient name ▼ylene Solvent naphtha (petroleum), li	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects)
Product/ingredient name	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects)
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects)
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects)
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects)
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects)
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects)
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name	ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) rej Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result
Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li	ght aromatic (repeated exposu	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation)
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li Ethylbenzene	ght aromatic (repeated exposur	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) rej Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result ASPIRATION HAZARD - Category 1
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li Ethylbenzene Information on likely routes o	ght aromatic (repeated exposur	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) rej Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li Ethylbenzene Information on likely routes of Not available.	ght aromatic (repeated exposure) ght aromatic	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) rej Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li Ethylbenzene Information on likely routes of Not available. Potential acute health effects	ght aromatic (repeated exposur ght aromatic of exposure	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li Ethylbenzene Information on likely routes of Not available.	ght aromatic (repeated exposure ght aromatic of exposure	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) rej Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li Ethylbenzene Information on likely routes of Not available. Potential acute health effects Eye contact	ght aromatic (repeated exposure ght aromatic of exposure : Causes serious e : Can cause centra	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Product/ingredient name Vylene Solvent naphtha (petroleum), li 2-ethoxy-1-methylethyl acetate n-Butyl acetate Specific target organ toxicity Product/ingredient name Vylene Ethylbenzene Aspiration hazard Product/ingredient name Xylene Solvent naphtha (petroleum), li Ethylbenzene Information on likely routes of Not available. Potential acute health effects Eye contact	ght aromatic (repeated exposure) ght aromatic of exposure : Causes serious e : Can cause centra dizziness. May c	STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H335 (Respiratory tract irritation) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) STOT SE 3, H336 (Narcotic effects) Result STOT RE 2, H373 (oral, inhalation) STOT RE 2, H373 (hearing organs) (oral, inhalation) Result ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

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SECTION 11: Toxicological information

Symptoms related to the ph	sical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Delayed and immediate effe	s as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>ts</u>
Not available.	
Conclusion/Summary [Pro	uct] : 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	: No known significant effects or critical hazards.
11.2 Information on other ha	rds
11.2.1 Endocrine disrupting	roperties
Not available.	
Conclusion/Summary [Pro	uct] : The product does not meet the criteria to be considered as having endo

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

11.2.2 Other information

Product/ingredient name

Not available.

SECTION 12: Ecological information

Solvent naphtha (petroleum), light aromatic

12.1	Tox	icity
------	-----	-------

Result Acute - LC50 Fish 9.2 mg/l [96 hours]

> Acute - EC50 Daphnia 3.2 mg/l [48 hours]

n-Butyl acetate

Acute - LC50 - Fresh water

SECTION 12: Ecological information

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

Acute - LC50 - Marine water

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

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Acute - LC50 OECD [Fish, Acute Toxicity Test] Fish - Brachydanio rerio 0.9 mg/l [96 hours]

EC50

OECD [Alga, Growth Inhibition Test] Aquatic plants - Desmodesmodus subspicatus 1.68 mg/l [72 hours]

Chronic - NOEC

OECD [Daphnia Magna Reproduction Test] Daphnia - Daphnia 1 mg/l [21 days]

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
X ylene	3.12	8.1 to 25.9	Low
Solvent naphtha (petroleum), light aromatic	-	10 to 2500	High
2-ethoxy-1-methylethyl acetate	0.76	-	Low
n-Butyl acetate	2.3	-	Low
Ethylbenzene	3.6	-	Low
2,3-epoxypropyl neodecanoat	4.4	-	High

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Кос
ethoxy-1-methylethyl acetate	1.28	19.0228
n-Butyl acetate	1.52	33.2139
Ethylbenzene	2.23	170.406

Results of PMT and vPvM assessment

Product/ingredient name	PMT	Р	м	т	vPvM	vP	vM
Xylene	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light aromatic	No	No	No	No	No	No	No
2-ethoxy-1-methylethyl acetate	No	No	No	No	No	No	No
n-Butyl acetate	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
2,3-epoxypropyl	No	No	No	No	No	No	No

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SECTION 12: Ecological information								
neodecanoat Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	No	No	No	No	No	No	No	
Mobility	: Not av	vailable.						

Conclusion/Summary

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

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

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
X ylene	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light aromatic	No	No	No	No	No	No	No
2-ethoxy-1-methylethyl acetate	No	No	Νο	No	No	No	No
n-Butyl acetate	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
2,3-epoxypropyl neodecanoat	No	No	Νο	No	No	No	No
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	No	No	No	No	No	No	No

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

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
Vlene	No	No	No	No	No	No	No
Solvent naphtha (petroleum), light aromatic	No	No	No	No	No	No	No
2-ethoxy-1-methylethyl acetate	No	No	No	No	No	No	No
n-Butyl acetate	No	No	No	No	No	No	No
Ethylbenzene	No	No	No	No	No	No	No
2,3-epoxypropyl neodecanoat	No	No	No	No	No	No	No
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	No	No	No	No	No	No	No

Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP] : The product does not meet the criteria to be considered as a PBT or vPvB.

12.6 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product]

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

12.7 Other adverse effects

No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

13.1 Waste treatment method	ts
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)	: 080111*
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	111	111	111	111
14.5 Environmental hazards	No.	No.	No.	No.

Additional information

ADR/RID

: Tunnel code (D/E)

user

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

14.7 Maritime transport in bulk according to IMO instruments

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

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

		%	Designation [Usage]	
FEKNODUR 3840-00		≥90	3	
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 applica	ble.		
Ozone depleting substance Not listed.	es (EU 2024/5	<u>90)</u>		
not listed.				
Prior Informed Consent (Pl Not listed.	<u>C) (649/2012/I</u>	<u>EU)</u>		
Persistent Organic Pollutar Not listed.	<u>nts</u>			
Seveso Directive				
This product is controlled und	ter the Seves	Directive		
Danger criteria		Biloouvo.		
Category				
₽5c				
National regulations				
παιινιται ι σγμιατίντιδ				
Austria				
	: Category 3			
Austria	: Category 3 : Permitted.			
<u>Austria</u> VbF class Limitation of the use of				
<u>Austria</u> VbF class Limitation of the use of organic solvents				
Austria VbF class Limitation of the use of organic solvents Belgium				
Austria VbF class Limitation of the use of organic solvents <u>Belgium</u> <u>Czech Republic</u> Storage code <u>Denmark</u>	: Permitted.			
Austria VbF class Limitation of the use of organic solvents Belgium Czech Republic Storage code Denmark Fire class	: Permitted. : II : II-1			
Austria VbF class Limitation of the use of organic solvents <u>Belgium</u> <u>Czech Republic</u> Storage code <u>Denmark</u>	: Permitted. : II : II-1			
Austria VbF class Limitation of the use of organic solvents Belgium Czech Republic Storage code Denmark Fire class	: Permitted. : II : II-1		Annex I Section A	Annex I Section B
AustriaVbF classLimitation of the use of organic solventsBelgiumCzech RepublicStorage codeDenmarkFire classExecutive Order No. 1795/2	: Permitted. : II : II-1		Annex I Section A Listed	Annex I Section B

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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, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed. MAL-code: 4-3 Application: When spraying in new* booths if the operator is outside the spray zone. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin. - Air-supplied half mask and eye protection must be worn. When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing* facility type, if the operator is inside the spray zone. - Air-supplied half mask, coveralls and eye protection must be worn. During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents. Air-supplied full mask and coveralls must be worn. When spraying in existing* spray booths, if the operator is outside the spray zone. - Air-supplied full mask, arm protectors and apron must be worn. During non-atomising spraying in existing* facilities of the combined-cabin, spraycabin and spray-booth type where the operator is working inside the spray zone. - Air-supplied full mask must be worn. During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth. - Air-supplied full mask, coveralls and hood must be worn. **Drying:** Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone. **Polishing:** When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn. **Caution** The regulations contain other stipulations in addition to the above. *See Regulations. **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. : Not listed List of undesirable substances

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Carcinogenic waste	Waste containers must be labeled: Contains a substance or substances regulated by Danish working environment legislation on cancer risks.			
Finland				
France				
Social Security Code,	: 🔀ylene	RG 4bis, RG 84		
Articles L 461-1 to L 461-7	Solvent naphtha (petroleum), light aromatic	RG 84		
	n-Butyl acetate	RG 84		
	Ethylbenzene	RG 84		
Reinforced medical surveillance	: Act of July 11, 1977 determining the list of activ medical surveillance: not applicable	ities which require reinforced		
<u>Germany</u>				
Storage class (TRGS 510)	: 3			
Hazardous incident ordinal	ce			

This product is controlled under the Germany Hazardous Incident Ordinance.

Danger criteria

Category	Reference number
₽5c	1.2.5.3

Hazard class for water : Z

Technical instruction on air quality control (TA Luft)

Number [Class]	Description	%
5.2.1	Total dust	1
5.2.5	Organic substances	99
5.2.5 [I]	Organic substances	42.1

Italy

D.Lgs. 152/06

: Not determined.

Netherlands

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

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development	Harmful via breastfeeding
kylene Solvent naphtha (petroleum), light arom.	- Listed	- Listed	-	Development 2 -	-
Water Discharge Policy (ABM)	environm	biodegradable sub ent (carcinogenicit persistence). Dec	y/ mutagenicity/ rep	protoxicity/ bioacum	
<u>Norway</u>					
Product registration number	: 671990				
<u>Sweden</u>					
Flammable liquid class (SRVFS 2005:10)	: 2a				
Switzerland					
VOC content	: 📈 OC (w/v	v): 46.3%			
nternational regulations	5				
Chemical Weapon Conv	- ention List Sche	edules I, II & III Ch	emicals		
Not listed.					
Iontreal Protocol					
Not listed.					
tockholm Convention	on Persistent Or	ganic Pollutants			
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Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety	1	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	: ATE = Acute Toxicity Estimate
acronyms	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. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H335	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

H 225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
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.

Full text of classifications [CLP/GHS]

SECTION 16: Other information

Cute 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 Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Muta. 2	GERM CELL MUTAGENICITY - Category 2
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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Notice to reader

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

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