SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Safety data sheet according to Regulation (EC) 2020/878

Revision date 25/09/2023 **Revision Number** 2.04

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

1.1. Product identifier

Product Name SCC3 Conformal Coating Aerosol

Product Code(s) DCA-a, EDCA200H, ZE

Safety data sheet number 00698

Unique Formula Identifier (UFI) NWW1-M0FK-N009-SVDY

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Appliance protection.

Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

Manufacturer

ELECTROLUBE
MacDermid Alpha Electronics Solutions
ASHBY PARK, COALFIELD WAY,
ASHBY DE LA ZOUCH,
LEICESTERSHIRE LE65 1JR
UNITED KINGDOM

+44 (0)1530 419600
+44 (0)1530 416640
info@electrolube.com

Supplier

HK WENTWORTH LIMITED
32 RUE DE TOURNENFILS
91540 MENNECY
FRANCE

+33 (0) 1 82 88 47 94

info@electrolube.com

For further information, please contact

E-mail address info@electrolube.com

1.4. Emergency telephone number

Emergency Telephone POISON INFORMATION CENTRE (Beaumont Hospital, Republic of Ireland only) +353 (0)1 809 2166 (08:00 - 22:00)

Emergency Telephone - IN CASE OF EMERGENCY CALL: +44 1865 407333 (24hr, Provided by Carechem 24)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to

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

Aerosols	Category 1 - (H222, H229)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity — single exposure	Category 3 - (H335, H336)
Specific target organ toxicity — repeated exposure	Category 2 - (H373)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements

Contains xylene, Cyclohexane, 1-Methoxy-2-propanol, Ethylbenzene, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, 4,5-Dichloro-2-octyl-2H-isothiazol-3-one



Signal word
Danger

Hazard statements
H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
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
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing spray.
P273 - Avoid release to the environment.
P280 - Wear protective gloves and eye/face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Dimethylether 115-10-6	30-60	01-2119472128-37-0000	204-065-8	Flam. Gas 1A (H220) (Press. Gas)	-	-	-
xylene 1330-20-7	10-30	01-2119488216-32-0000	215-535-7	Aquatic Chronic 3 (H412) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Acute Tox. 4 (H332) STOT RE 2 (H373) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Acute Tox. 4 (H312) STOT SE 3 (H335)	-	-	-
Cyclohexane 110-82-7	10-30	01-2119463273-41-0000	203-806-2	Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Skin Irrit. 2 (H315) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	-	-
1-Methoxy-2-propanol 107-98-2	5-10	01-2119457435-35-0000	203-539-1	Flam. Liq. 3 (H226) STOT SE 3 (H336)	-	-	-
Ethylbenzene 100-41-4	5-10	01-2119489370-35-0000	202-849-4	Asp. Tox. 1 (H304) Acute Tox. 4 (H332) STOT RE 2 (H373) Flam. Liq. 2 (H225)	-	-	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	1-5	01-2119475515-33-0000	927-510-4	Aquatic Chronic 2 (H411) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	-	-
Propan-2-ol 67-63-0	0.1-1	01-2119457558-25-0000	200-661-7	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	-	-
Toluene 108-88-3	0.1-1	01-2119471310-51-0000	203-625-9	Asp. Tox. 1 (H304) STOT RE 2 (H373) Repr. 2 (H361d) Skin Irrit. 2 (H315) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	-	-
2-Methoxypropanol 1589-47-5	<0.1	No data available	216-455-5	Flam. Liq. 3 (H226) Repr. 1B (H360D) Skin Irrit. 2 (H315) STOT SE 3 (H335) Eye Dam. 1 (H318)	-	-	-
4,5-Dichloro-2-octyl-	<0.1	No data available	264-843-8	Aquatic Chronic 1	Skin Irrit. 2 ::	100	100

2H-isothiazol-3-one 64359-81-5				(H410) Aquatic Acute 1 (H400) Skin Sens. 1A (H317) Acute Tox. 2 (H330) Skin Corr. 1 (H314) Acute Tox. 4 (H302) Eye Dam. 1 (H318)	0.025%<=C<5 % Eye Irrit. 2 :: 0.025%<=C<3 % Skin Sens. 1A :: C>=0.0015%		

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
xylene 1330-20-7	3500	4350	No data available	No data available	No data available
Cyclohexane 110-82-7	12705	2000	No data available	No data available	No data available
1-Methoxy-2-propanol 107-98-2	5000	13000	No data available	34.1234	No data available
Ethylbenzene 100-41-4	3500	15400	17.4	No data available	No data available
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	5000	3160	No data available	No data available	No data available
Propan-2-ol 67-63-0	1870	4059	No data available	30.1002	No data available
Toluene 108-88-3	2600	12000	12.5	No data available	No data available
2-Methoxypropanol 1589-47-5	5710	5660	No data available	No data available	No data available
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	567 + 1636	2000	0.16 +	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open

	while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapours or mists. See section 8 for more information.

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

Symptoms	Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Effects of Exposure	No information available.

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

Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated. Product is or contains a sensitiser. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid breathing vapours or mists.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Keep out of drains, sewers, ditches and waterways. Stop leak if you can do it without risk. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Flood with water to complete polymerization and scrape off floor.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use spark-proof tools and explosion-proof equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Keep in an area equipped with sprinklers. Do not puncture or incinerate cans. Contents under pressure. In case of rupture. Avoid breathing vapours or mists. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do

not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Store locked up. Keep out of the reach of children. Store away from other materials.

Storage class (TRGS 510) Not determined.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Dimethylether 115-10-6	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1910 mg/m³ STEL 2000 ppm STEL 3820 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³
xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ *	TWA: 50 ppm TWA: 221 mg/m³ STEL 100 ppm STEL 442 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ D*	STEL: 100 ppm STEL: 442 mg/m³ TWA: 50 ppm TWA: 221.0 mg/m³ K*	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ *
Cyclohexane 110-82-7	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³ STEL 800 ppm STEL 2800 mg/m³	TWA: 100 ppm TWA: 350 mg/m³	TWA: 200 ppm TWA: 700.0 mg/m³	TWA: 200 ppm TWA: 700 mg/m³ *
1-Methoxy-2-propanol 107-98-2	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ *	TWA: 50 ppm TWA: 187 mg/m³ STEL 50 ppm STEL 187 mg/m³ Ceiling: 50 ppm Ceiling: 187 mg/m³ H*	TWA: 50 ppm TWA: 184 mg/m³ STEL: 100 ppm STEL: 369 mg/m³ D*	STEL: 150 ppm STEL: 568.0 mg/m³ TWA: 100 ppm TWA: 375.0 mg/m³ K*	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ *	TWA: 100 ppm TWA: 440 mg/m³ STEL 200 ppm STEL 880 mg/m³ H*	TWA: 20 ppm TWA: 87 mg/m³ STEL: 125 ppm STEL: 551 mg/m³ D*	STEL: 545 mg/m³ TWA: 435 mg/m³ K*	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ *
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	-	-	-	TWA: 1600 mg/m³	-
Propan-2-ol 67-63-0	-	TWA: 200 ppm TWA: 500 mg/m³ STEL 800 ppm STEL 2000 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³	STEL: 1225.0 mg/m³ TWA: 980.0 mg/m³	TWA: 400 ppm TWA: 999 mg/m³ STEL: 500 ppm STEL: 1250 mg/m³
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m³	TWA: 50 ppm TWA: 190 mg/m³	TWA: 20 ppm TWA: 77 mg/m³	STEL: 100 ppm STEL: 384.0 mg/m³	TWA: 50 ppm TWA: 192 mg/m³

	*	STEL 100 ppm STEL 380 mg/m³ H*	STEL: 100 ppm STEL: 384 mg/m³ D*	TWA: 50 ppm TWA: 192.0 mg/m³ K*	STEL: 100 ppm STEL: 384 mg/m³ *
2-Methoxypropanol 1589-47-5	-	TWA: 20 ppm TWA: 75 mg/m³ STEL 80 ppm STEL 300 mg/m³ H*	-	-	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Dimethylether 115-10-6	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 mg/m³ Ceiling: 2000 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³ STEL: 2000 ppm STEL: 3840 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 2000 mg/m³
xylene 1330-20-7	* STEL: 100 ppm STEL: 442 mg/m³ TWA: 50 ppm TWA: 221 mg/m³	TWA: 200 mg/m³ Ceiling: 400 mg/m³ D*	TWA: 25 ppm TWA: 109 mg/m³ H* STEL: 442 mg/m³ STEL: 100 ppm	TWA: 50 ppm TWA: 200 mg/m³ STEL: 100 ppm STEL: 450 mg/m³ A*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 100 ppm STEL: 440 mg/m³ iho*
Cyclohexane 110-82-7	TWA: 200 ppm TWA: 700 mg/m³	TWA: 700 mg/m³ Ceiling: 2000 mg/m³	TWA: 50 ppm TWA: 172 mg/m³ STEL: 100 ppm STEL: 344 mg/m³	TWA: 200 ppm TWA: 700 mg/m³	TWA: 100 ppm TWA: 350 mg/m³ STEL: 250 ppm STEL: 875 mg/m³
1-Methoxy-2-propanol 107-98-2	* STEL: 150 ppm STEL: 568 mg/m³ TWA: 100 ppm TWA: 375 mg/m³	TWA: 270 mg/m³ Ceiling: 550 mg/m³ D*	TWA: 50 ppm TWA: 185 mg/m³ H* STEL: 568 mg/m³ STEL: 150 ppm	S+ TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ A*	TWA: 100 ppm TWA: 370 mg/m³ STEL: 150 ppm STEL: 560 mg/m³ iho*
Ethylbenzene 100-41-4	* STEL: 200 ppm STEL: 884 mg/m³ TWA: 100 ppm TWA: 442 mg/m³	TWA: 200 mg/m³ Ceiling: 500 mg/m³ D*	TWA: 50 ppm TWA: 217 mg/m³ H* STEL: 434 mg/m³ STEL: 100 ppm	S+ TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ A*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 200 ppm STEL: 880 mg/m³ iho*
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	-	-	-	TWA: 5 mg/kg STEL: 500 mg/m³	-
Propan-2-ol 67-63-0	-	TWA: 500 mg/m³ Ceiling: 1000 mg/m³ D*	TWA: 200 ppm TWA: 490 mg/m³ STEL: 400 ppm STEL: 980 mg/m³	TWA: 150 ppm TWA: 350 mg/m³ STEL: 250 ppm STEL: 600 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 250 ppm STEL: 620 mg/m³
Toluene 108-88-3	* STEL: 100 ppm STEL: 384 mg/m³ TWA: 50 ppm TWA: 192 mg/m³	TWA: 200 mg/m³ Ceiling: 500 mg/m³ D*	TWA: 25 ppm TWA: 94 mg/m³ H* STEL: 384 mg/m³ STEL: 100 ppm	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ A*	TWA: 25 ppm TWA: 81 mg/m³ STEL: 100 ppm STEL: 380 mg/m³ iho*
2-Methoxypropanol 1589-47-5	-	-	TWA: 20 ppm TWA: 75 mg/m³ STEL: 40 ppm STEL: 150 mg/m³	-	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Dimethylether 115-10-6	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³ Peak: 8000 ppm Peak: 15200 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³
xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m³	TWA: 50 ppm TWA: 220 mg/m³	TWA: 50 ppm TWA: 220 mg/m³	TWA: 100 ppm TWA: 435 mg/m³	TWA: 221 mg/m³ TWA: 50 ppm

	STEL: 100 ppm STEL: 442 mg/m³ *	H*	Peak: 100 ppm Peak: 440 mg/m³ *	STEL: 150 ppm STEL: 650 mg/m³ *	STEL: 442 mg/m³ STEL: 100 ppm b*
Cyclohexane 110-82-7	TWA: 200 ppm TWA: 700 mg/m³ STEL: 375 ppm STEL: 1300 mg/m³	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³ Peak: 800 ppm Peak: 2800 mg/m³	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³
1-Methoxy-2-propanol 107-98-2	TWA: 50 ppm TWA: 188 mg/m³ STEL: 100 ppm STEL: 375 mg/m³ *	TWA: 100 ppm TWA: 370 mg/m³	TWA: 100 ppm TWA: 370 mg/m³ Peak: 200 ppm Peak: 740 mg/m³	TWA: 100 ppm TWA: 360 mg/m³ STEL: 300 ppm STEL: 1080 mg/m³ *	TWA: 375 mg/m³ TWA: 100 ppm STEL: 568 mg/m³ STEL: 150 ppm b*
Ethylbenzene 100-41-4	TWA: 20 ppm TWA: 88.4 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ *	TWA: 20 ppm TWA: 88 mg/m³ H*	TWA: 20 ppm TWA: 88 mg/m³ Peak: 40 ppm Peak: 176 mg/m³ *	TWA: 100 ppm TWA: 435 mg/m³ STEL: 125 ppm STEL: 545 mg/m³	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ b*
Propan-2-ol 67-63-0	STEL: 400 ppm STEL: 980 mg/m³	TWA: 200 ppm TWA: 500 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ Peak: 400 ppm Peak: 1000 mg/m³	TWA: 400 ppm TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m³	TWA: 500 mg/m³ TWA: 200 ppm STEL: 1000 mg/m³ STEL: 400 ppm b*
Toluene 108-88-3	TWA: 20 ppm TWA: 76.8 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ *	TWA: 50 ppm TWA: 190 mg/m³ H*	TWA: 50 ppm TWA: 190 mg/m³ Peak: 100 ppm Peak: 380 mg/m³ *	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ *	TWA: 190 mg/m³ TWA: 50 ppm STEL: 384 mg/m³ STEL: 100 ppm b*
2-Methoxypropanol 1589-47-5	-	TWA: 5 ppm TWA: 19 mg/m³ H*	TWA: 5 ppm TWA: 19 mg/m³ Peak: 10 ppm Peak: 38 mg/m³ *	-	-

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Dimethylether 115-10-6	TWA: 1000 ppm TWA: 1920 mg/m³ STEL: 3000 ppm STEL: 5760 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	-	TWA: 1000 ppm TWA: 1920 mg/m³	STEL: 1500 ppm STEL: 2280 mg/m³ TWA: 1000 ppm TWA: 1920 mg/m³
xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ Sk*	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ cute*	TWA: 100 ppm TWA: 434 mg/m³ STEL: 150 ppm STEL: 651 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ Ada*	STEL: 442 mg/m³ STEL: 100 ppm TWA: 221 mg/m³ TWA: 50 ppm O*
Cyclohexane 110-82-7	TWA: 200 ppm TWA: 700 mg/m³ STEL: 600 ppm STEL: 2100 mg/m³	TWA: 100 ppm TWA: 350 mg/m³	TWA: 100 ppm TWA: 344 mg/m³	TWA: 23 ppm TWA: 80 mg/m³	TWA: 200 ppm TWA: 700 mg/m³
1-Methoxy-2-propanol 107-98-2	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ cute*	TWA: 50 ppm TWA: 184 mg/m³ STEL: 100 ppm STEL: 368 mg/m³	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ Ada*	STEL: 300 mg/m³ STEL: 75 ppm TWA: 190 mg/m³ TWA: 50 ppm O*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ Sk*	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ cute*	TWA: 20 ppm TWA: 87 mg/m³	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ Ada*	STEL: 200 ppm STEL: 884 mg/m³ TWA: 100 ppm TWA: 442 mg/m³ O*
Propan-2-ol 67-63-0	TWA: 200 ppm STEL: 400 ppm	-	TWA: 200 ppm TWA: 492 mg/m³	TWA: 350 mg/m³ STEL: 600 mg/m³	STEL: 250 ppm STEL: 600 mg/m³

	Sk*		STEL: 400 ppm STEL: 983 mg/m³		TWA: 150 ppm TWA: 350 mg/m³
Toluene 108-88-3	TWA: 192 mg/m³ TWA: 50 ppm STEL: 384 mg/m³ STEL: 100 ppm Sk*	TWA: 50 ppm TWA: 192 mg/m³ cute*	TWA: 20 ppm TWA: 75.4 mg/m³	TWA: 14 ppm TWA: 50 mg/m³ STEL: 40 ppm STEL: 150 mg/m³ Ada*	STEL: 100 ppm STEL: 384 mg/m³ TWA: 50 ppm TWA: 192 mg/m³ O*
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Dimethylether 115-10-6	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 495 ppm TWA: 950 mg/m³ STEL: 781 ppm STEL: 1500 mg/m³	TWA: 200 ppm TWA: 384 mg/m³ STEL: 250 ppm STEL: 480 mg/m³	TWA: 1000 mg/m³
xylene 1330-20-7	STEL: 100 ppm STEL: 442 mg/m³ TWA: 50 ppm TWA: 221 mg/m³ Peau*	STEL: 100 ppm STEL: 442 mg/m³ skin* TWA: 50 ppm TWA: 221 mg/m³	TWA: 47.5 ppm TWA: 210 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ H*	TWA: 25 ppm TWA: 108 mg/m³ STEL: 37.5 ppm STEL: 135 mg/m³ H*	STEL: 200 mg/m³ TWA: 100 mg/m³ skóra*
Cyclohexane 110-82-7	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³ STEL: 400 ppm STEL: 1400 mg/m³	TWA: 150 ppm TWA: 525 mg/m³ STEL: 187.5 ppm STEL: 656.25 mg/m³	STEL: 1000 mg/m³ TWA: 300 mg/m³ skóra*
1-Methoxy-2-propanol 107-98-2	STEL: 150 ppm STEL: 568 mg/m³ TWA: 100 ppm TWA: 375 mg/m³ Peau*	STEL: 150 ppm STEL: 568 mg/m³ skin* TWA: 100 ppm TWA: 375 mg/m³	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 563 mg/m³ H*	TWA: 50 ppm TWA: 180 mg/m³ STEL: 75 ppm STEL: 225 mg/m³ H*	STEL: 360 mg/m³ TWA: 180 mg/m³ skóra*
Ethylbenzene 100-41-4	STEL: 200 ppm STEL: 884 mg/m³ TWA: 100 ppm TWA: 442 mg/m³ Peau*	STEL: 200 ppm STEL: 884 mg/m³ skin* TWA: 100 ppm TWA: 442 mg/m³	TWA: 48.6 ppm TWA: 215 mg/m³ STEL: 97.3 ppm STEL: 430 mg/m³ H*	TWA: 5 ppm TWA: 20 mg/m³ STEL: 10 ppm STEL: 30 mg/m³ H*	STEL: 400 mg/m³ TWA: 200 mg/m³ skóra*
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	-	-	-	-	STEL: 1500 mg/m³ TWA: 500 mg/m³
Propan-2-ol 67-63-0	-	-	-	TWA: 100 ppm TWA: 245 mg/m³ STEL: 150 ppm STEL: 306.25 mg/m³	STEL: 1200 mg/m³ TWA: 900 mg/m³ skóra*
Toluene 108-88-3	STEL: 100 ppm STEL: 384 mg/m³ TWA: 50 ppm TWA: 192 mg/m³ Peau*	STEL: 100 ppm STEL: 384 mg/m³ skin* TWA: 50 ppm TWA: 192 mg/m³	TWA: 39 ppm TWA: 150 mg/m³ STEL: 100 ppm STEL: 384 mg/m³	TWA: 25 ppm TWA: 94 mg/m³ STEL: 37.5 ppm STEL: 141 mg/m³ H*	STEL: 200 mg/m³ TWA: 100 mg/m³ skóra*
2-Methoxypropanol 1589-47-5	-	-	-	TWA: 20 ppm TWA: 75 mg/m³ STEL: 30 ppm STEL: 112.5 mg/m³ H*	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Dimethylether 115-10-6	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³ STEL: 15360 mg/m³ STEL: 8000 ppm	TWA: 1000 ppm TWA: 1920 mg/m³
xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ K* Ceiling: 442 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³

	Cutânea*	P*		K*	vía dérmica*
Cyclohexane 110-82-7	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³ STEL: 2800 mg/m³ STEL: 800 ppm	TWA: 200 ppm TWA: 700 mg/m³
1-Methoxy-2-propanol 107-98-2	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ P*	TWA: 100 ppm TWA: 375 mg/m³ K* Ceiling: 568 mg/m³	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ K*	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ vía dérmica*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ Cutânea*	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ P*	TWA: 100 ppm TWA: 442 mg/m³ K* Ceiling: 884 mg/m³	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ K*	TWA: 100 ppm TWA: 441 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ vía dérmica*
Propan-2-ol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 81 ppm TWA: 200 mg/m³ STEL: 203 ppm STEL: 500 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ Ceiling: 1000 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ Cutânea*	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ P*	TWA: 50 ppm TWA: 192 mg/m³ K* Ceiling: 384 mg/m³	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ K*	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ vía dérmica*
2-Methoxypropanol 1589-47-5	-	-	TWA: 5 ppm TWA: 19 mg/m³ K*	TWA: 19 mg/m³ TWA: 5 ppm STEL: 40 ppm STEL: 152 mg/m³ K*	TWA: 5 ppm TWA: 19 mg/m³

Chemical name	Sweden	Switzerland	United Kingdom
Dimethylether 115-10-6	Vägledande KGV: 800 ppm Vägledande KGV: 1500 mg/m³ NGV: 500 ppm NGV: 950 mg/m³	TWA: 1000 ppm TWA: 1910 mg/m³	TWA: 400 ppm TWA: 766 mg/m³ STEL: 500 ppm STEL: 958 mg/m³
xylene 1330-20-7	Bindande KGV: 100 ppm Bindande KGV: 442 mg/m³ NGV: 50 ppm NGV: 221 mg/m³ H*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 100 ppm STEL: 440 mg/m³ H*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 100 ppm STEL: 441 mg/m³ Sk*
Cyclohexane 110-82-7	NGV: 200 ppm NGV: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³ STEL: 800 ppm STEL: 2800 mg/m³	TWA: 100 ppm TWA: 350 mg/m³ STEL: 300 ppm STEL: 1050 mg/m³
1-Methoxy-2-propanol 107-98-2	Bindande KGV: 150 ppm Bindande KGV: 568 mg/m³ NGV: 50 ppm NGV: 190 mg/m³ H*	TWA: 100 ppm TWA: 360 mg/m³ STEL: 200 ppm STEL: 720 mg/m³	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³ Sk*
Ethylbenzene 100-41-4	Bindande KGV: 200 ppm Bindande KGV: 884 mg/m³ NGV: 50 ppm NGV: 220 mg/m³ H*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 50 ppm STEL: 220 mg/m³ H*	TWA: 100 ppm TWA: 441 mg/m³ STEL: 125 ppm STEL: 552 mg/m³ Sk*
Propan-2-ol 67-63-0	Vägledande KGV: 250 ppm Vägledande KGV: 600 mg/m³ NGV: 150 ppm NGV: 350 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³	TWA: 400 ppm TWA: 999 mg/m³ STEL: 500 ppm STEL: 1250 mg/m³
Toluene	Bindande KGV: 100 ppm	TWA: 50 ppm	TWA: 50 ppm

108-88-3	Bindande KGV: 384 mg/m³ NGV: 50 ppm NGV: 192 mg/m³ H*	TWA: 190 mg/m³ STEL: 200 ppm STEL: 760 mg/m³ H*	TWA: 191 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ Sk*
2-Methoxypropanol 1589-47-5	-	TWA: 5 ppm TWA: 19 mg/m³ STEL: 40 ppm STEL: 152 mg/m³ H*	-

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
xylene 1330-20-7	-	1.5 g/L (urine - Methylhippuric acid after end of work day, at the end of a work week/end of the shift)	-	1.50 mg/L - blood (Xylene) - at the end of the work shift 1.50 g/g Creatinine - urine (Methylhippuric acid) - at the end of the work shift	820 µmol/mmol Creatinine (urine - Methylhippuric acid end of shift) 1400 mg/g Creatinine (urine - Methylhippuric acid end of shift)
Cyclohexane 110-82-7	-	-	-	150 mg/g Creatinine - urine (1,2-Cyclohexanediol) - at the end of the work shift; at chronic exposure after several successive shifts 450 µg/L - blood (Cyclohexanol) - during exposure 3.20 mg/g Creatinine - urine (Cyclohexanol) - during the second half of the work shift	-
Ethylbenzene 100-41-4	-	-	2000 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid - total) - at the end of exposure or end of work shift	1.50 mg/L - blood (Ethylbenzene) - during exposure 1.50 g/g Creatinine - urine (Mandelic acid) - at the end of the work shift and at the end of the working week	1100 µmol/mmol Creatinine (urine - Mandelic acid end of shift) 1500 mg/g Creatinine (urine - Mandelic acid end of shift)
Propan-2-ol 67-63-0	-	-	-	50 mg/L - blood (Acetone) - at the end of the work shift 50 mg/L - urine (Acetone) - at the end of the work shift	-
Toluene 108-88-3	-	10 g/dL Hemoglobin (blood - by the first screening and once yearly) 12 g/dL Hemoglobin	1.6 mmol/mmol Creatinine - urine (Hippuric acid) - at the end of exposure or end of work shift	1.0 mg/L - blood (Toluene) - at the end of the work shift 20 ppm - final exhaled air	1.6 µmol/mmol Creatinine (urine - o-Cresol end of shift) 1000 µmol/mmol Creatinine (urine -

		(blood - by the first screening and once yearly) 3.2 million/µL Erythrocytes (blood - by the first screening and once yearly) 3.8 million/µL Erythrocytes (blood - by the first screening and once yearly) 4000 Leukocytes/µL (blood - by the first screening and once yearly) 13000 Leukocytes/µL (blood - by the first screening and once yearly) 130000 Thrombocytes/µL (blood - by the first screening and once yearly) 150000 Thrombocytes/µL (blood - by the first screening and once yearly) 0.8 mg/L (urine - o-Cresol after end of work day, at the end of a work week/end of the shift)		(Toluene) - during exposure 2.50 g/g Creatinine - urine (Hippuric acid) - at the end of the work shift 1.0 mg/g Creatinine - urine (o-Cresol) - at the end of the work shift	Hippuric acid end of shift) 1.5 mg/g Creatinine (urine - o-Cresol end of shift) 1600 mg/g Creatinine (urine - Hippuric acid end of shift)
Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
xylene 1330-20-7	-	5.0 mmol/L (urine - Methylhippuric acid after the shift)	1500 mg/g creatinine - urine (Methylhippuric acid) - end of shift	2000 mg/L (urine - Methylhippuric(tolur-)acid (all isomers) end of shift) 2000 mg/L - BAT (end of exposure or end of shift) urine	2000 mg/L (urine - Methylhippuric(tolur-)acid (all isomers) end of shift)
Cyclohexane 110-82-7	-	-	-	150 mg/g Creatinine (urine - total 1,2-Cyclohexanediol (after hydrolysis) end of shift) 150 mg/g Creatinine (urine - total 1,2-Cyclohexanediol (after hydrolysis) for long-term exposures: at the end of the shift after several shifts) 150 mg/g Creatinine - BAT (for long-term exposures: at the	150 mg/g Creatinine (urine - total 1,2-Cyclohexanediol (after hydrolysis) end of shift) 150 mg/g Creatinine (urine - total 1,2-Cyclohexanediol (after hydrolysis) for long-term exposures: at the end of the shift after several shifts)

				end of the shift after several shifts) urine	
1-Methoxy-2-propanol 107-98-2	-	-	-	15 mg/L (urine - 1-Methoxypropan-2-ol end of shift) 15 mg/L - BAT (end of exposure or end of shift) urine	15 mg/L (urine - 1-Methoxypropan-2-ol end of shift)
Ethylbenzene 100-41-4	-	5.2 mmol/L (urine - Mandelic acid after the shift after a working week or exposure period)	1500 mg/g creatinine - urine (Mandelic acid) - end of shift at end of workweek	250 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift) 250 mg/g Creatinine - BAT (end of exposure or end of shift) urine 130 mg/g Creatinine - (end of exposure or end of shift) - urine 250 mg/g Creatinine - (end of exposure or end of shift) - urine 330 mg/g Creatinine - (end of exposure or end of shift) - urine 670 mg/g Creatinine - (end of exposure or end of shift) - urine 1300 mg/g Creatinine - (end of exposure or end of shift) - urine	250 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift)
Propan-2-ol 67-63-0	-	-	-	25 mg/L (whole blood - Acetone end of shift) 25 mg/L (urine - Acetone end of shift) 25 mg/L - BAT (end of exposure or end of shift) urine 25 mg/L - BAT (end of exposure or end of shift) blood	25 mg/L (whole blood - Acetone end of shift) 25 mg/L (urine - Acetone end of shift)
Toluene 108-88-3	-	500 nmol/L (blood - Toluene in the morning after a working day)	1 mg/L - venous blood (Toluene) - end of shift 2500 mg/g creatinine - urine (Hippuric acid) - end of shift	600 µg/L (whole blood - Toluene immediately after exposure) 75 µg/L (urine - Toluene end of shift) 1.5 mg/L (urine - o-Cresol (after hydrolysis) for long-term exposures: at the	600 µg/L (whole blood - Toluene immediately after exposure) 75 µg/L (urine - Toluene end of shift) 1.5 mg/L (urine - o-Cresol (after hydrolysis) for long-term exposures: at the

				end of the shift after several shifts) 1.5 mg/L (urine - o-Cresol (after hydrolysis) end of shift) 600 µg/L - BAT (immediately after exposure) blood 75 µg/L - BAT (end of exposure or end of shift) urine 1.5 mg/L - BAT (for long-term exposures: at the end of the shift after several shifts) urine 1.5 mg/L - BAT (end of exposure or end of shift) urine	end of the shift after several shifts) 1.5 mg/L (urine - o-Cresol (after hydrolysis) end of shift)

Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII
xylene 1330-20-7	1500 mg/g Creatinine (urine - Methyl hippuric acid end of shift) 860 µmol/mmol Creatinine (urine - Methyl hippuric acid end of shift)	1.5 g/g Creatinine (urine - Methylhippuric acids end of shift)	-	1.5 g/g Creatinine - urine (Methylhippuric acid) - end of shift
Ethylbenzene 100-41-4	1500 mg/g Creatinine (urine - Mandelic acid at end of workweek, end of shift) 1110 µmol/mmol Creatinine (urine - Mandelic acid at end of workweek, end of shift)	0.7 g/g Creatinine (urine - sum of Mandelic acid and Phenylglyoxylic acid end of shift at end of workweek) 0.7 g (end-exhaled air - not critical)	-	0.15 g/g Creatinine - urine (Sum of Mandelic acid and Phenylglyoxylic acid) - end of shift at end of workweek
Propan-2-ol 67-63-0	-	40 mg/L (urine - Acetone end of shift at end of workweek)	-	40 mg/L - urine (Acetone) - end of shift at end of workweek
Toluene 108-88-3	1 mg/g Creatinine (urine - o-Cresol end of shift) 1 µmol/mmol Creatinine (urine - o-Cresol end of shift)	0.02 mg/L (blood - Toluene prior to last shift of workweek) 0.03 mg/L (urine - Toluene end of shift) 0.3 mg/g Creatinine (urine - o-Cresol end of shift)	-	0.3 mg/g Creatinine - urine (o-Cresol (with hydrolysis)) - end of shift 0.03 mg/L - urine (Toluene) - end of shift 0.02 mg/L - blood (Toluene) - prior to last shift of workweek

Chemical name	Latvia	Luxembourg	Romania	Slovakia
xylene 1330-20-7	-	-	3 g/L - urine (Methylhippuric acid) - end of shift	1.5 mg/L (blood - Xylene end of exposure or work shift) 2000 mg/L (urine - Methylhippuric acid end of exposure or work shift)
Ethylbenzene 100-41-4	-	-	1.5 g/g Creatinine - urine (Mandelic acid) - end of work week	12 mg/L (urine - 2 and 4-Ethylphenol end of exposure or work shift) 1600 mg/L (urine - Mandelic acid and

				Phenylglycolic acid end of exposure or work shift)
Propan-2-ol 67-63-0	-	-	50 mg/L - urine (Acetone) - end of shift	-
Toluene 108-88-3	1.6 g/g Creatinine - urine (Hippuric acid) - end of shift 0.05 mg/L - blood (Toluene) - end of shift	-	2 g/L - urine (Hippuric acid) - end of shift 3 mg/L - urine (o-Cresol) - end of shift	600 µg/L (blood - Toluene end of exposure or work shift) 1.5 mg/L (urine - o-Cresol after all work shifts) 1.5 mg/L (urine - o-Cresol end of exposure or work shift) 1600 mg/g creatinine (- Hippuric acid end of exposure or work shift)
Chemical name	Slovenia	Spain	Switzerland	United Kingdom
xylene 1330-20-7	2 g/L - urine (Methylhipuric acid (all isomers)) - at the end of the work shift	1 g/g Creatinine (urine - Methylhippuric acids end of shift)	2 g/L (urine - Methylhippuric acid end of shift)	650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift
Cyclohexane 110-82-7	150 mg/g Creatinine - urine (1,2-Cyclohexanediol (after hydrolysis)) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays	-	150 mg/g creatinine (urine - total 1,2-Cyclohexanediol end of shift, and after several shifts (for long-term exposures)) 146 µmol/mmol creatinine (urine - total 1,2-Cyclohexanediol end of shift, and after several shifts (for long-term exposures))	-
1-Methoxy-2-propanol 107-98-2	15 mg/L - urine (1-Methoxypropan-2-ol) - at the end of the work shift	-	20 mg/L (urine - 1-Methoxypropanol-2 end of shift) 221.9 µmol/L (urine - 1-Methoxypropanol-2 end of shift)	-
Ethylbenzene 100-41-4	250 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid) - at the end of the work shift	700 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of workweek)	600 mg/g creatinine (urine - Mandelic acid and Phenylglyoxylacid end of shift)	-
Propan-2-ol 67-63-0	25 mg/L - blood (Acetone) - at the end of the work shift 25 mg/L - urine (Acetone) - at the end of the work shift	40 mg/L (urine - Acetone end of workweek)	25 mg/L (urine - Acetone end of shift) 0.4 mmol/L (urine - Acetone end of shift) 25 mg/L (whole blood - Acetone end of shift) 0.4 mmol/L (whole blood - Acetone end of shift)	-
Toluene 108-88-3	600 µg/L - blood (Toluene) - immediately after exposure 1.5 mg/L - urine (o-Cresol (after hydrolysis)) - at the end of the work shift; for long-term exposure: at the end of the work shift after	0.6 mg/L (urine - o-Cresol end of shift) 0.05 mg/L (blood - Toluene start of last shift of workweek) 0.08 mg/L (urine - Toluene end of shift)	600 µg/L (whole blood - Toluene end of shift) 6.48 µmol/L (whole blood - Toluene end of shift) 2 g/g creatinine (urine - Hippuric acid end of shift, and after several shifts (for long-term exposures))	-

	several consecutive workdays 75 µg/L - urine (Toluene) - at the end of the work shift		1.26 mmol/mmol creatinine (urine - Hippuric acid end of shift, and after several shifts (for long-term exposures)) 0.5 mg/L (urine - o-Cresol end of shift, and after several shifts (for long-term exposures)) 4.62 µmol/L (urine - o-Cresol end of shift, and after several shifts (for long-term exposures)) 75 µg/L (urine - Toluol end of shift)	

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Dimethylether 115-10-6	-	-	1894 mg/m³ [4] [6]
xylene 1330-20-7	-	212 mg/kg bw/day [4] [6]	221 mg/m³ [4] [6] 442 mg/m³ [4] [7] 221 mg/m³ [5] [6] 442 mg/m³ [5] [7]
Cyclohexane 110-82-7	-	2016 mg/kg bw/day [4] [6]	700 mg/m³ [4] [6] 1400 mg/m³ [4] [7] 700 mg/m³ [5] [6] 1400 mg/m³ [5] [7]
1-Methoxy-2-propanol 107-98-2	-	183 mg/kg bw/day [4] [6]	369 mg/m³ [4] [6] 553.5 mg/m³ [4] [7] 553.5 mg/m³ [5] [7]
Ethylbenzene 100-41-4	-	180 mg/kg bw/day [4] [6]	77 mg/m³ [4] [6] 293 mg/m³ [5] [7]
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	-	-	1286.4 mg/m³ [4] [7] 837.5 mg/m³ [5] [6] 1066.67 mg/m³ [5] [7]
Propan-2-ol 67-63-0	-	888 mg/kg bw/day [4] [6]	500 mg/m³ [4] [6]
Toluene 108-88-3	-	384 mg/kg bw/day [4] [6]	192 mg/m³ [4] [6] 384 mg/m³ [4] [7] 192 mg/m³ [5] [6] 384 mg/m³ [5] [7]
Benzene, C10-13-alkyl derivatives 67774-74-7	-	9.6 mg/kg bw/day [4] [6]	7 mg/m³ [4] [6] 7 mg/m³ [5] [6]
2,5-thiophenediylbis(5-tert-butyl-1,3-benzoxazole) 7128-64-5	-	7.1 mg/kg bw/day [4] [6]	3 mg/m³ [4] [6] 3 mg/m³ [5] [6]

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Dimethylether 115-10-6	-	-	471 mg/m³ [4] [6]
xylene	12.5 mg/kg bw/day [4] [6]	-	65.3 mg/m³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
1330-20-7			260 mg/m³ [4] [7] 65.3 mg/m³ [5] [6] 260 mg/m³ [5] [7]
Cyclohexane 110-82-7	59.4 mg/kg bw/day [4] [6]	-	206 mg/m³ [4] [6] 412 mg/m³ [4] [7] 206 mg/m³ [5] [6] 412 mg/m³ [5] [7]
1-Methoxy-2-propanol 107-98-2	33 mg/kg bw/day [4] [6]	-	43.9 mg/m³ [4] [6]
Ethylbenzene 100-41-4	1.6 mg/kg bw/day [4] [6]	-	15 mg/m³ [4] [6]
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	-	-	1152 mg/m³ [4] [7] 178.57 mg/m³ [5] [6] 640 mg/m³ [5] [7]
Propan-2-ol 67-63-0	26 mg/kg bw/day [4] [6]	-	89 mg/m³ [4] [6]
Toluene 108-88-3	8.13 mg/kg bw/day [4] [6]	-	56.5 mg/m³ [4] [6] 226 mg/m³ [4] [7] 56.5 mg/m³ [5] [6] 226 mg/m³ [5] [7]
Benzene, C10-13-alkyl derivatives 67774-74-7	0.5 mg/kg bw/day [4] [6]	-	1.8 mg/m³ [4] [6] 1.8 mg/m³ [5] [6]
2,5-thiophenediylbis(5-tert-butyl-1,3-benzoxazole) 7128-64-5	3.5 mg/kg bw/day [4] [6]	-	-

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Dimethylether 115-10-6	0.155 mg/L	1.549 mg/L	0.016 mg/L	-	-
xylene 1330-20-7	0.327 mg/L	0.327 mg/L	0.327 mg/L	-	-
Cyclohexane 110-82-7	0.207 mg/L	0.207 mg/L	0.207 mg/L	-	-
1-Methoxy-2-propanol 107-98-2	10 mg/L	100 mg/L	1 mg/L	-	-
Propan-2-ol 67-63-0	140.9 mg/L	140.9 mg/L	140.9 mg/L	-	-
Toluene 108-88-3	0.68 mg/L	0.68 mg/L	0.68 mg/L	-	-
2,5-thiophenediylbis(5-tert-butyl-1,3-benzoxazole) 7128-64-5	0.2 mg/L	-	0.02 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Dimethylether 115-10-6	0.681 mg/kg sediment dw	0.069 mg/kg sediment dw	160 mg/L	0.045 mg/kg soil dw	-
xylene	12.46 mg/kg	12.46 mg/kg	6.58 mg/L	2.31 mg/kg soil dw	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
1330-20-7	sediment dw	sediment dw			
Cyclohexane 110-82-7	16.68 mg/kg sediment dw	16.68 mg/kg sediment dw	3.24 mg/L	3.38 mg/kg soil dw	-
1-Methoxy-2-propanol 107-98-2	52.3 mg/kg sediment dw	5.2 mg/kg sediment dw	100 mg/L	4.59 mg/kg soil dw	-
Propan-2-ol 67-63-0	552 mg/kg sediment dw	552 mg/kg sediment dw	2251 mg/L	28 mg/kg soil dw	160 mg/kg food
Toluene 108-88-3	16.39 mg/kg sediment dw	16.39 mg/kg sediment dw	13.61 mg/L	2.89 mg/kg soil dw	-
2,5-thiophenediylbis(5-tert-butyl-1,3-benzoxazole) 7128-64-5	-	316000 mg/kg sediment dw	1 mg/L	629000 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles. Safety glasses with side shields are recommended for medical or industrial exposures.

Hand protection Impervious gloves. Wear suitable gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Aerosol
Appearance Aerosol
Colour Colourless light yellow
Odour Solvent.
Odour threshold No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	

limits		
Lower flammability or explosive limits	No data available	
Flash point	< 23 °C	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	0.78 kg/l	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regards to physical hazard classes

Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidizing.

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks. Excessive heat.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness. Harmful by inhalation. (based on components).

Eye contact Specific test data for the substance or mixture is not available. May cause irritation. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking. Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	5,903.50 mg/kg
ATEmix (dermal)	2,035.30 mg/kg
ATEmix (inhalation-gas)	20,000.67 ppm
ATEmix (inhalation-vapour)	41.557 mg/l
ATEmix (inhalation-dust/mist)	5.67 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethylether	-	-	= 164000 ppm (Rat) 4 h
xylene	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Cyclohexane	= 12705 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 32880 mg/m^3 (Rat) 4 h
1-Methoxy-2-propanol	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 7559 ppm (Rat) 6 h
Ethylbenzene	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat) 4 h

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 73680 ppm (Rat) 4 h
Propan-2-ol	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	> 10000 ppm (Rat) 6 h
Toluene	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
2-Methoxypropanol	= 5710 mg/kg (Rat)	= 5660 mg/kg (Rabbit)	-
4,5-Dichloro-2-octyl-2H-isothiazol-3-one	= 1636 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 0.26 mg/L (Rat) 4 h

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

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

Chemical name	European Union
Toluene	Repr. 2
2-Methoxypropanol	Repr. 1B

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dimethylether	-	LC50: >4.1g/L (96h, Poecilia reticulata)	-	-
xylene	EC50: =11mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =13.4mg/L (96h, Pimephales promelas) LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: =780mg/L (96h, Cyprinus carpio) LC50: >780mg/L (96h, Cyprinus carpio) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata)	-	EC50: =3.82mg/L (48h, water flea) LC50: =0.6mg/L (48h, Gammarus lacustris)
Cyclohexane	EC50: >500mg/L (72h, Desmodesmus subspicatus)	LC50: 3.96 - 5.18mg/L (96h, Pimephales promelas) LC50: 23.03 - 42.07mg/L (96h, Pimephales promelas) LC50: 24.99 - 44.69mg/L (96h, Lepomis macrochirus) LC50: 48.87 - 68.76mg/L (96h, Poecilia reticulata)	-	-
1-Methoxy-2-propanol	-	LC50: =20.8g/L (96h, Pimephales promelas)	-	EC50: =23300mg/L (48h, Daphnia magna)
Ethylbenzene	EC50: =4.6mg/L (72h, Pseudokirchneriella subcapitata) EC50: >438mg/L (96h, Pseudokirchneriella subcapitata) EC50: 2.6 - 11.3mg/L (72h, Pseudokirchneriella subcapitata) EC50: 1.7 - 7.6mg/L (96h,	LC50: 11.0 - 18.0mg/L (96h, Oncorhynchus mykiss) LC50: =4.2mg/L (96h, Oncorhynchus mykiss) LC50: 7.55 - 11mg/L (96h, Pimephales promelas) LC50: =32mg/L (96h, Lepomis macrochirus) LC50: 9.1 - 15.6mg/L	-	EC50: 1.8 - 2.4mg/L (48h, Daphnia magna)

	Pseudokirchneriella subcapitata)	(96h, Pimephales promelas) LC50: =9.6mg/L (96h, Poecilia reticulata)		
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	LC50: =8.41mg/L (96h, Oncorhynchus mykiss)	-	EC50: <0.26mg/L (48h, Daphnia magna)
Propan-2-ol	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	-	EC50: =13299mg/L (48h, Daphnia magna)
Toluene	EC50: >433mg/L (96h, Pseudokirchneriella subcapitata) EC50: =12.5mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 15.22 - 19.05mg/L (96h, Pimephales promelas) LC50: =12.6mg/L (96h, Pimephales promelas) LC50: 5.89 - 7.81mg/L (96h, Oncorhynchus mykiss) LC50: 14.1 - 17.16mg/L (96h, Oncorhynchus mykiss) LC50: =5.8mg/L (96h, Oncorhynchus mykiss) LC50: 11.0 - 15.0mg/L (96h, Lepomis macrochirus) LC50: =54mg/L (96h, Oryzias latipes) LC50: =28.2mg/L (96h, Poecilia reticulata) LC50: 50.87 - 70.34mg/L (96h, Poecilia reticulata)	-	EC50: 5.46 - 9.83mg/L (48h, Daphnia magna) EC50: =11.5mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Chemical name	Partition coefficient
Dimethylether	-0.18
xylene	3.15
Cyclohexane	3.44
1-Methoxy-2-propanol	1
Ethylbenzene	3.6
Propan-2-ol	0.05
Toluene	2.73

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Dimethylether	The substance is not PBT / vPvB
xylene	The substance is not PBT / vPvB
Cyclohexane	The substance is not PBT / vPvB
1-Methoxy-2-propanol	The substance is not PBT / vPvB
Ethylbenzene	The substance is not PBT / vPvB
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	The substance is not PBT / vPvB
Propan-2-ol	The substance is not PBT / vPvB
Toluene	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number UN1950
14.2 UN proper shipping name AEROSOLS, FLAMMABLE (CONTAINS Cyclohexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)
14.3 Transport hazard class(es) 2.1
14.4 Packing group None
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions None

IMDG

14.1 UN number or ID number UN1950
14.2 UN proper shipping name AEROSOLS, FLAMMABLE (CONTAINS Cyclohexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)
14.3 Transport hazard class(es) 2.1
14.4 Packing group None
14.5 Environmental hazards Yes
14.6 Special precautions for user

Special Provisions None
EmS-No F-D, S-U
14.7 Maritime transport in bulk according to IMO instruments No information available

RID
14.1 UN number or ID number UN1950
14.2 UN proper shipping name AEROSOLS, FLAMMABLE (CONTAINS Cyclohexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)
14.3 Transport hazard class(es) 2.1
14.4 Packing group None
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions None

ADR
14.1 UN number or ID number UN1950
14.2 UN proper shipping name AEROSOLS, FLAMMABLE (CONTAINS Cyclohexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)
14.3 Transport hazard class(es) 2.1
14.4 Packing group None
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions None
Tunnel restriction code (D)

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Chemical name	French RG number
xylene - 1330-20-7	RG 4bis,RG 84
Cyclohexane - 110-82-7	RG 84
1-Methoxy-2-propanol - 107-98-2	RG 84
Ethylbenzene - 100-41-4	RG 84
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - 64742-49-0	RG 84
Propan-2-ol - 67-63-0	RG 84
Toluene - 108-88-3	RG 4bis,RG 84
2-Methoxypropanol - 1589-47-5	RG 84

Germany
Water hazard class (WGK) obviously hazardous to water (WGK 2)

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
xylene	-	-	Development Category 2
Toluene	-	-	Development Category 2
2-Methoxypropanol	-	-	Development Category 1B

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:
This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
xylene - 1330-20-7	Use restricted. See item 75.	-
Cyclohexane - 110-82-7	Use restricted. See item 57. Use restricted. See item 75.	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - 64742-49-0	Use restricted. See item 28. Use restricted. See item 29. Use restricted. See item 75.	-
Propan-2-ol - 67-63-0	Use restricted. See item 75.	-
Toluene - 108-88-3	Use restricted. See item 48. Use restricted. See item 75.	-
2-Methoxypropanol - 1589-47-5	Use restricted. See item 30. Use restricted. See item 75.	-
4,5-Dichloro-2-octyl-2H-isothiazol-3-one - 64359-81-5	Use restricted. See item 75.	-

Persistent Organic Pollutants
Not applicable

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - 64742-49-0	-	25000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Propan-2-ol - 67-63-0	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 1: Human hygiene
4,5-Dichloro-2-octyl-2H-isothiazol-3-one - 64359-81-5	Product-type 8: Wood preservatives Product-type 21: Antifouling products Product-type 7: Film preservatives Product-type 9: Fibre, leather, rubber and polymerised materials preservatives Product-type 10: Construction material preservatives Product-type 11: Preservatives for liquid-cooling and processing systems

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H220 - Extremely flammable gas
H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H360D - May damage the unborn child
H361d - Suspected of damaging the unborn child
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

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method

Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 25/09/2023

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet