SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 15-Nov-2023 **Revision Number:** 2.03
Print Date: 22-Apr-2024

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

1.1. Product identifier

Product Name: **Kluthe Lösin 120**
Article number: 061060330000

UFI: S6NG-2KT2-KJ0U-1TAC

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners

1.3. Details of the supplier of the safety data sheet

Supplier: conti coatings GmbH & Co. KG
Feldstrasse 55
D - 46149 Oberhausen
Telefon: +49 208/ 9948-0
Telefax: +49 208/ 650625
www.conticoatings.com

E-mail address sds.ob@conticoatings.com

1.4. Emergency telephone number

Emergency Telephone: CHEMTREC (24h, 7/365; CCN: 1012799):
+44 20 3885 0382; 0800 1817059

Emergency Telephone - §45 - (EC)1272/2008	
Austria	+43 1 406 43 43 (Giftinformationszentrale)
Bulgaria	+359 2 9154 213 (Pirogov)
Italy	Centro Antiveleni di Milano: 02.66101029; Centro Antiveleni di Roma: 06.3054343; Centro Antiveleni di Roma: 06.49978000; Centro Antiveleni di Roma: 06.68593726; Centro Antiveleni di Pavia: 0382.24444; Centro Antiveleni di Firenze: 055.7947819; Centro Antiveleni di Bergamo: 800.883300; Centro Antiveleni di Foggia: 0881.732326; Centro Antiveleni di Napoli: 081.7472870; Centro Antiveleni di Verona: 800.011.858
Slovakia	+421 2 5477 4166 (NTIC)
Hungary	+36 80 201 199; +36 1 476 6464 (ETTSZ)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flammable liquids	Category 2 - (H225)
Aspiration hazard	Category 1 - (H304)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (single exposure)	Category 3 - (H335,H336)
STOT Single Category 3 Statement	Category 3 Respiratory irritation
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Signal word: **Danger**

Hazard components for labeling:
Contains n-Butyl acetate, Propylene glycol monomethyl ether acetate, 1-methoxy-2-propanol, Xylene (reaction product of xylene and ethylbenzene)

Hazard statements:
H225 - Highly flammable liquid and vapor.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

EU Specific Hazard Statements:

Precautionary Statements - EU (§28, 1272/2008):
P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P271 - Use only outdoors or in a well-ventilated area
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Additional information:
This product is exempt from the requirement for a child resistant fastening and tactile warning of danger, as it is an aspiration hazard, placed on the market in the form of an aerosol or in a container with a sealed spray attachment.

2.3. Other hazards

Harmful to aquatic life.
PBT & vPvB: This mixture contains no substance considered to be persistent, bioaccumulating nor 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	CAS No	EC No (EU Index No)	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane	-	921-024-6	01-2119475514-35	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Aquatic Chronic 2 (H411)	10 - < 25
Xylene (reaction product of xylene and ethylbenzene)	-	905-588-0	01-2119488216-32	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) STOT SE 3 (H335) STOT RE 2 (H373)	10 - < 25
Acetone	67-64-1	200-662-2	01-2119471330-49	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336) (EUH066)	10 - < 25
Propylene glycol monomethyl ether acetate	108-65-6	203-603-9	01-2119475791-29	Flam. Liq. 3 (H226) STOT SE 3 (H336)	5 - < 10
Hydrocarbons, C9, aromats	-	918-668-5	01-2119455851-35	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H335) STOT SE 3 (H336) Aquatic Chronic 2 (H411) (EUH066)	5 - < 10
Methyl ethyl ketone	78-93-3	201-159-0 (606-002-00-3)	01-2119457290-43	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336) (EUH066)	5 - < 10
Isopropyl alcohol	67-63-0	200-661-7	01-2119457558-25	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	5 - < 10
Isobutyl alcohol	78-83-1	201-148-0 (603-108-00-1)	01-2119484609-23	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) STOT SE 3 (H336)	5 - < 10
1-methoxy-2-propanol	107-98-2	203-539-1	01-2119457435-35	Flam. Liq. 3 (H226) STOT SE 3 (H336)	5 - < 10
n-Butyl acetate	123-86-4	204-658-1	01-2119485493-29	Flam. Liq. 3 (H226) STOT SE 3 (H336) (EUH066)	5 - < 10
Ethyl acetate	141-78-6	205-500-4	01-2119475103-46	Flam. Liq. 2 (H225)	3 - < 5

				Eye Irrit. 2 (H319) STOT SE 3 (H336) (EUH066)	
Methyl acetate	79-20-9	201-185-2 (607-021-00-X)	01-2119459211-47	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336) (EUH066)	3 - < 5
Ethyl alcohol	64-17-5	200-578-6 (603-002-00-5)	01-2119457610-43	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319)	1 - < 3
Toluene	108-88-3	203-625-9	01-2119471310-51	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Repr. 2 (H361d) STOT RE 2 (H373) Aquatic Chronic 3 (H412)	1 - < 3
Isopropyl acetate	108-21-4	203-561-1 (607-024-00-6)	01-2119537214-46	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336) (EUH066)	1 - < 3
1-Butanol	71-36-3	200-751-6	01-2119484630-38	Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) STOT SE 3 (H336)	1 - < 3
Cyclohexane	110-82-7	203-806-2 (601-017-00-1)	01-2119463273-41	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	1 - < 3
Methanol	67-56-1	200-659-6	01-2119433307-44	Flam. Liq. 2 (H225) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370)	1 - < 3
Ethyl (S)-2-hydroxypropionate	687-47-8	211-694-1	01-2119516234-49	Flam. Liq. 3 (H226) Eye Dam. 1 (H318) STOT SE 3 (H335)	1 - < 3
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates	-	927-241-2	01-2119471843-32	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Chronic 3 (H412) (EUH066)	1 - < 3
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics	-	918-481-9	01-2119457273-39	Asp. Tox. 1 (H304) (EUH066)	1 - < 3
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0	01-2119458049-33	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336) STOT RE 1 (H372) Aquatic Chronic 2 (H411)	1 - < 3

				(EUH066)	

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Ethyl alcohol 64-17-5	Eye Irrit. 2 :: C>=50%			
Isopropyl acetate 108-21-4				C
Methanol 67-56-1	STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10%			
Ethyl (S)-2-hydroxypropionate 687-47-8				C

Acute Toxicity Estimate:
If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	5001	No data available	No data available	No data available	No data available
Xylene (reaction product of xylene and ethylbenzene) -	3523	12126	No data available	11	No data available
Acetone 67-64-1	5800	15715.7	76	No data available	No data available
Propylene glycol monomethyl ether acetate 108-65-6	8532	5001	24	No data available	No data available
Hydrocarbons, C9, aromats -	3592	3200	No data available	No data available	No data available
Methyl ethyl ketone 78-93-3	2194	5002	No data available	34	No data available
Isopropyl alcohol 67-63-0	5840	13400	72.6	30	No data available
Isobutyl alcohol 78-83-1	2460	3400	6.5065	No data available	No data available
1-methoxy-2-propanol 107-98-2	4016	13000	No data available	36.7	No data available
n-Butyl acetate 123-86-4	10768	17060	0.74	23.4	No data available
Ethyl acetate 141-78-6	4934	20000	No data available	14.4131	No data available
Methyl acetate 79-20-9	5000	5000	49	No data available	No data available
Ethyl alcohol 64-17-5	10470	2002	116.9	51	No data available
Toluene	5580	12124	28	No data available	No data available

108-88-3					
Isopropyl acetate 108-21-4	3000	17436	101.2	No data available	No data available
1-Butanol 71-36-3	2292	3430	No data available	24.2762	No data available
Cyclohexane 110-82-7	12705	2000	No data available	No data available	No data available
Methanol 67-56-1	100	300	No data available	3	No data available
Ethyl (S)-2-hydroxypropionate 687-47-8	2002	No data available	No data available	No data available	No data available
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	5001	2001	No data available	No data available	No data available
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	No data available	5005	No data available	No data available	No data available
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	15015	3403	No data available	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)

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. 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. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

Symptoms	Burning sensation. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor 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 physicians:	Because of the danger of aspiration, emesis or gastric lavage should not be employed 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. Alcohol resistant foam.
Large Fire:	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media:	Do not scatter spilled material with high pressure water streams.

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.

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). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled

material.

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: Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up: Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled 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. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled 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 locked up. Keep out of the reach of children. Store away from other materials.

7.3. Specific end use(s)

Other information: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Xylene (reaction product of xylene and ethylbenzene) -	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		
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 500 ppm TWA: 1200 mg/m³ STEL 2000 ppm STEL 4800 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³ STEL: 1000 ppm STEL: 2420 mg/m³	STEL: 1400 mg/m³ TWA: 600 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ *	TWA: 50 ppm TWA: 275 mg/m³ STEL 100 ppm STEL 550 mg/m³ H*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ D*	STEL: 100 ppm STEL: 550.0 mg/m³ TWA: 50 ppm TWA: 275.0 mg/m³ K*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ *
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	TWA: 100 ppm TWA: 295 mg/m³ STEL 200 ppm STEL 590 mg/m³ H*	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	STEL: 885 mg/m³ TWA: 590 mg/m³	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³
Isopropyl alcohol 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
Isobutyl alcohol 78-83-1		TWA: 50 ppm TWA: 150 mg/m³ STEL 200 ppm STEL 600 mg/m³	TWA: 50 ppm TWA: 154 mg/m³		TWA: 50 ppm TWA: 154 mg/m³ STEL: 75 ppm STEL: 231 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
n-Butyl acetate 123-86-4	STEL: 723 mg/m³ STEL: 150 ppm TWA: 241 mg/m³ TWA: 50 ppm	TWA: 50 ppm TWA: 241 mg/m³ STEL 100 ppm STEL 480 mg/m³	TWA: 50 ppm TWA: 238 mg/m³ STEL: 150 ppm STEL: 712 mg/m³	STEL: 723 mg/m³ STEL: 150 ppm TWA: 241 mg/m³ TWA: 50 ppm	TWA: 50 ppm TWA: 241 mg/m³ STEL: 150 ppm STEL: 723 mg/m³
Ethyl acetate	STEL: 1468 mg/m³	TWA: 200 ppm	TWA: 200 ppm	STEL: 1468 mg/m³	TWA: 200 ppm

141-78-6	STEL: 400 ppm TWA: 734 mg/m³ TWA: 200 ppm	TWA: 734 mg/m³ STEL 400 ppm STEL 1468 mg/m³	TWA: 734 mg/m³ STEL: 400 ppm STEL: 1468 mg/m³	STEL: 400 ppm TWA: 734 mg/m³ TWA: 200 ppm	TWA: 734 mg/m³ STEL: 400 ppm STEL: 1468 mg/m³
Methyl acetate 79-20-9		TWA: 200 ppm TWA: 610 mg/m³ STEL 400 ppm STEL 1220 mg/m³	TWA: 200 ppm TWA: 615 mg/m³ STEL: 250 ppm STEL: 768 mg/m³		TWA: 200 ppm TWA: 616 mg/m³ STEL: 250 ppm STEL: 770 mg/m³
Ethyl alcohol 64-17-5		TWA: 1000 ppm TWA: 1900 mg/m³ STEL 2000 ppm STEL 3800 mg/m³	TWA: 1000 ppm TWA: 1907 mg/m³	TWA: 1000 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m³ *	TWA: 50 ppm TWA: 190 mg/m³ STEL 100 ppm STEL 380 mg/m³ H*	TWA: 20 ppm TWA: 77 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ D*	STEL: 100 ppm STEL: 384.0 mg/m³ TWA: 50 ppm TWA: 192.0 mg/m³ K*	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ *
Isopropyl acetate 108-21-4		TWA: 100 ppm TWA: 420 mg/m³ STEL 100 ppm STEL 420 mg/m³ Ceiling: 100 ppm Ceiling: 420 mg/m³	TWA: 100 ppm TWA: 424 mg/m³ STEL: 200 ppm STEL: 849 mg/m³		STEL: 200 ppm STEL: 849 mg/m³
1-Butanol 71-36-3		TWA: 50 ppm TWA: 150 mg/m³ STEL 200 ppm STEL 600 mg/m³	TWA: 20 ppm TWA: 62 mg/m³ D*	STEL: 150 mg/m³ TWA: 100 mg/m³	STEL: 50 ppm STEL: 154 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 *
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ *	TWA: 200 ppm TWA: 260 mg/m³ STEL 800 ppm STEL 1040 mg/m³ H*	TWA: 200 ppm TWA: 266 mg/m³ STEL: 250 ppm STEL: 333 mg/m³ D*	TWA: 200 ppm TWA: 260.0 mg/m³ K*	TWA: 200 ppm TWA: 260 mg/m³ *
Chemical name	**Cyprus**	**Czech Republic**	**Denmark**	**Estonia**	**Finland**
Xylene (reaction product of xylene and ethylbenzene) -			TWA: 25 ppm TWA: 109 mg/m³ STEL 50 ppm STEL 218 mg/m³		TWA: 50 ppm TWA: 220 mg/m³ STEL 100 ppm STEL 440 mg/m³
Acetone 67-64-1	* TWA: 500 ppm TWA: 1210 mg/m³	TWA: 800 mg/m³ Ceiling: 1500 mg/m³	TWA: 250 ppm TWA: 600 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 500 ppm TWA: 1200 mg/m³ STEL: 630 ppm STEL: 1500 mg/m³
Propylene glycol monomethyl ether acetate 108-65-6	* STEL: 100 ppm STEL: 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	TWA: 270 mg/m³ Ceiling: 550 mg/m³ D*	TWA: 50 ppm TWA: 275 mg/m³ H*	S+ TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ A*	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ iho*
Methyl ethyl ketone 78-93-3	STEL: 300 ppm STEL: 900 mg/m³ TWA: 200 ppm TWA: 600 mg/m³	TWA: 600 mg/m³ Ceiling: 900 mg/m³	TWA: 50 ppm TWA: 145 mg/m³ H*	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	TWA: 20 ppm TWA: 60 mg/m³ STEL: 100 ppm STEL: 300 mg/m³ iho*
Isopropyl alcohol 67-63-0		TWA: 500 mg/m³ Ceiling: 1000 mg/m³ D*	TWA: 200 ppm TWA: 490 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
Isobutyl alcohol 78-83-1		TWA: 300 mg/m³ Ceiling: 600 mg/m³	Ceiling: 50 ppm Ceiling: 150 mg/m³	TWA: 50 ppm TWA: 150 mg/m³	TWA: 150 mg/m³ TWA: 50 ppm

		D*	H*		STEL: 75 ppm STEL: 230 mg/m³ iho*
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*	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*
n-Butyl acetate 123-86-4	STEL: 723 mg/m³ STEL: 150 ppm TWA: 241 mg/m³ TWA: 50 ppm	TWA: 241 mg/m³ Ceiling: 723 mg/m³	TWA: 50 ppm TWA: 241 mg/m³	TWA: 241 mg/m³ TWA: 50 ppm STEL: 723 mg/m³ STEL: 150 ppm	TWA: 50 ppm TWA: 240 mg/m³ STEL: 150 ppm STEL: 725 mg/m³
Ethyl acetate 141-78-6	STEL: 1468 mg/m³ STEL: 400 ppm TWA: 734 mg/m³ TWA: 200 ppm	TWA: 700 mg/m³ Ceiling: 900 mg/m³	TWA: 150 ppm TWA: 540 mg/m³	TWA: 150 ppm TWA: 500 mg/m³ STEL: 300 ppm STEL: 1100 mg/m³	TWA: 200 ppm TWA: 730 mg/m³ STEL: 400 ppm STEL: 1470 mg/m³
Methyl acetate 79-20-9		TWA: 600 mg/m³ Ceiling: 800 mg/m³	TWA: 150 ppm TWA: 455 mg/m³	TWA: 150 ppm TWA: 450 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 770 mg/m³
Ethyl alcohol 64-17-5		TWA: 1000 mg/m³ Ceiling: 3000 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³	TWA: 500 ppm TWA: 1000 mg/m³ STEL: 1000 ppm STEL: 1900 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 1300 ppm STEL: 2500 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*	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*
Isopropyl acetate 108-21-4		TWA: 800 mg/m³ Ceiling: 1000 mg/m³	TWA: 150 ppm TWA: 625 mg/m³		TWA: 100 ppm TWA: 420 mg/m³ STEL: 200 ppm STEL: 850 mg/m³
1-Butanol 71-36-3		TWA: 300 mg/m³ Ceiling: 600 mg/m³ D*	Ceiling: 50 ppm Ceiling: 150 mg/m³ H*	TWA: 15 ppm TWA: 45 mg/m³ STEL: 30 ppm STEL: 90 mg/m³ A*	TWA: 50 ppm TWA: 150 mg/m³ STEL: 75 ppm STEL: 230 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	TWA: 200 ppm TWA: 700 mg/m³	TWA: 100 ppm TWA: 350 mg/m³ STEL: 250 ppm STEL: 875 mg/m³
Methanol 67-56-1	* TWA: 200 ppm TWA: 260 mg/m³	TWA: 250 mg/m³ Ceiling: 1000 mg/m³ D*	TWA: 200 ppm TWA: 260 mg/m³ H*	TWA: 200 ppm TWA: 250 mg/m³ STEL: 250 ppm STEL: 350 mg/m³ A*	TWA: 200 ppm TWA: 270 mg/m³ STEL: 250 ppm STEL: 330 mg/m³ iho*
Ethyl (S)-2-hydroxypropionate 687-47-8					TWA: 5 ppm TWA: 25 mg/m³ STEL: 10 ppm STEL: 49 mg/m³
Chemical name	**France**	**Germany TRGS**	**Germany DFG**	**Greece**	**Hungary**
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -			RCP: C6-8 aliphates: STEL: 700 mg/m³ - 2(II)		
Xylene (reaction product of xylene and ethylbenzene) -	TWA: 50 ppm TWA: 221 mg/m³ STEL 100 ppm STEL 442 mg/m³	TWA: 50 ppm TWA: 220 mg/m³ STEL 100 ppm STEL 440 mg/m³			TWA: 221 mg/m³ STEL 442 mg/m³

Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m³ STEL: 1000 ppm STEL: 2420 mg/m³	TWA: 500 ppm TWA: 1200 mg/m³	TWA: 500 ppm TWA: 1200 mg/m³ Peak: 1000 ppm Peak: 2400 mg/m³	TWA: 1780 mg/m³ STEL: 3560 mg/m³	TWA: 1210 mg/m³
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ *	TWA: 50 ppm TWA: 270 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ Peak: 50 ppm Peak: 270 mg/m³	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ *	TWA: 275 mg/m³ STEL: 550 mg/m³
Hydrocarbons, C9, aromats -		RCP: C9-14 aromates: STEL: 50 mg/m³ - 2(II)	RCP: C9-14 aromates: STEL: 50 mg/m³ - 2(II)		
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³ *	TWA: 200 ppm TWA: 600 mg/m³ H*	TWA: 200 ppm TWA: 600 mg/m³ Peak: 200 ppm Peak: 600 mg/m³ *	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	TWA: 600 mg/m³ STEL: 900 mg/m³ b*
Isopropyl alcohol 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 STEL: 1000 mg/m³ b*
Isobutyl alcohol 78-83-1	TWA: 50 ppm TWA: 150 mg/m³	TWA: 100 ppm TWA: 310 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Peak: 100 ppm Peak: 310 mg/m³	TWA: 100 ppm TWA: 300 mg/m³ STEL: 100 ppm STEL: 300 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 STEL: 568 mg/m³ b*
n-Butyl acetate 123-86-4	TWA: 50 ppm TWA: 241 mg/m³ STEL: 150 ppm STEL: 723 mg/m³	TWA: 62 ppm TWA: 300 mg/m³	TWA: 100 ppm TWA: 480 mg/m³ Peak: 200 ppm Peak: 960 mg/m³	TWA: 50 ppm TWA: 241 mg/m³ STEL: 150 ppm STEL: 723 mg/m³	TWA: 241 mg/m³ STEL: 723 mg/m³
Ethyl acetate 141-78-6	TWA: 200 ppm TWA: 734 mg/m³ STEL: 400 ppm STEL: 1468 mg/m³	TWA: 200 ppm TWA: 730 mg/m³	TWA: 200 ppm TWA: 750 mg/m³ Peak: 400 ppm Peak: 1500 mg/m³	TWA: 200 ppm TWA: 734 mg/m³ STEL: 400 ppm STEL: 1468 mg/m³	TWA: 734 mg/m³ STEL: 1468 mg/m³
Methyl acetate 79-20-9	TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³ *	TWA: 200 ppm TWA: 620 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Peak: 400 ppm Peak: 1240 mg/m³	TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³	TWA: 310 mg/m³ STEL: 1240 mg/m³ b*
Ethyl alcohol 64-17-5	TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³	TWA: 200 ppm TWA: 380 mg/m³	TWA: 200 ppm TWA: 380 mg/m³ Peak: 800 ppm Peak: 1520 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³	TWA: 1900 mg/m³ STEL: 3800 mg/m³
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 STEL: 380 mg/m³ b*
Isopropyl acetate 108-21-4	TWA: 250 ppm TWA: 950 mg/m³ STEL: 300 ppm STEL: 1140 mg/m³		TWA: 100 ppm TWA: 420 mg/m³ Peak: 200 ppm Peak: 840 mg/m³	TWA: 250 ppm TWA: 950 mg/m³ STEL: 275 ppm STEL: 1140 mg/m³	TWA: 420 mg/m³
1-Butanol 71-36-3	STEL: 50 ppm STEL: 150 mg/m³	TWA: 100 ppm TWA: 310 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Peak: 100 ppm Peak: 310 mg/m³	TWA: 100 ppm TWA: 300 mg/m³ STEL: 100 ppm STEL: 300 mg/m³ *	TWA: 45 mg/m³ STEL: 90 mg/m³ 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: 700 mg/m³
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ STEL: 1000 ppm STEL: 1300 mg/m³ *	TWA: 100 ppm TWA: 130 mg/m³ H*	TWA: 200 ppm TWA: 260 mg/m³	TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm STEL: 325 mg/m³ *	TWA: 260 mg/m³ b*
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -			TWA: 50 ppm TWA: 300 mg/m³ Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m³ RCP: C9-14 aliphates: STEL: 300 mg/m³ - 2(II)		
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -			TWA: 50 ppm TWA: 300 mg/m³ Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m³ RCP: C9-14 aliphates: STEL: 300 mg/m³ - 2(II)		
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -			TWA: 150 mg/m³ STEL: 300 mg/m³		

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Xylene (reaction product of xylene and ethylbenzene) -	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	
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m³ STEL: 1500 ppm STEL: 3630 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 250 ppm TWA: 594 mg/m³ STEL: 500 ppm STEL: 1187 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³ STEL: 1000 ppm STEL: 2420 mg/m³
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ Sk*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ cute*		TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ Ada*	O* TWA: 50 ppm TWA: 250 mg/m³ STEL: 75 ppm STEL: 400 mg/m³
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³ Sk*	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	TWA: 200 ppm TWA: 590 mg/m³ STEL: 300 ppm STEL: 885 mg/m³	TWA: 67 ppm TWA: 200 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	
Isopropyl alcohol 67-63-0	TWA: 200 ppm STEL: 400 ppm Sk*		TWA: 200 ppm TWA: 492 mg/m³ STEL: 400 ppm STEL: 983 mg/m³	TWA: 350 mg/m³ STEL: 600 mg/m³	TWA: 150 ppm TWA: 350 mg/m³ STEL: 250 ppm STEL: 600 mg/m³
Isobutyl alcohol 78-83-1	TWA: 150 mg/m³ TWA: 50 ppm STEL: 225 mg/m³ STEL: 75 ppm		TWA: 50 ppm TWA: 152 mg/m³	TWA: 10 mg/m³	O* TWA: 10 mg/m³
1-methoxy-2-propanol 107-98-2	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm	TWA: 50 ppm TWA: 184 mg/m³ STEL: 100 ppm	TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm	O* TWA: 190 mg/m³ TWA: 50 ppm

	STEL: 568 mg/m³	STEL: 568 mg/m³ cute*	STEL: 368 mg/m³	STEL: 568 mg/m³ Ada*	STEL: 300 mg/m³ STEL: 75 ppm
n-Butyl acetate 123-86-4	STEL: 150 ppm STEL: 723 mg/m³	TWA: 241 mg/m³ TWA: 50 ppm STEL: 723 mg/m³ STEL: 150 ppm	TWA: 50 ppm TWA: 238 mg/m³ STEL: 200 ppm STEL: 950 mg/m³	TWA: 241 mg/m³ TWA: 50 ppm STEL: 723 mg/m³ STEL: 150 ppm	TWA: 241 mg/m³ TWA: 50 ppm STEL: 723 mg/m³ STEL: 150 ppm
Ethyl acetate 141-78-6	TWA: 734 mg/m³ TWA: 200 ppm STEL: 1468 mg/m³ STEL: 400 ppm	TWA: 734 mg/m³ TWA: 200 ppm STEL: 1468 mg/m³ STEL: 400 ppm	TWA: 400 ppm TWA: 1441 mg/m³	TWA: 200 mg/m³ TWA: 54 ppm STEL: 1468 mg/m³ STEL: 400 ppm	TWA: 150 ppm TWA: 500 mg/m³ Ceiling: 300 ppm Ceiling: 1100 mg/m³
Methyl acetate 79-20-9	TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³		TWA: 200 ppm TWA: 606 mg/m³ STEL: 250 ppm STEL: 757 mg/m³	TWA: 100 mg/m³	TWA: 150 ppm TWA: 450 mg/m³ STEL: 300 ppm STEL: 900 mg/m³
Ethyl alcohol 64-17-5	STEL: 1000 ppm		STEL: 1000 ppm STEL: 1884 mg/m³	TWA: 1000 mg/m³	TWA: 500 ppm TWA: 1000 mg/m³ STEL: 1000 ppm STEL: 1900 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*	O* TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³
Isopropyl acetate 108-21-4	TWA: 100 ppm STEL: 150 ppm		TWA: 100 ppm TWA: 418 mg/m³ STEL: 200 ppm STEL: 836 mg/m³		
1-Butanol 71-36-3	TWA: 20 ppm STEL: 60 ppm Sk*		TWA: 20 ppm TWA: 61 mg/m³	TWA: 10 mg/m³	O* TWA: 15 ppm TWA: 45 mg/m³ Ceiling: 30 ppm Ceiling: 90 mg/m³
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
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ STEL: 600 ppm STEL: 780 mg/m³ Sk*	TWA: 200 ppm TWA: 260 mg/m³ cute*	TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 328 mg/m³ cute*	TWA: 200 ppm TWA: 260 mg/m³ Ada*	O* TWA: 200 ppm TWA: 260 mg/m³
Chemical name	**Luxembourg**	**Malta**	**Netherlands**	**Norway**	**Poland**
Xylene (reaction product of xylene and ethylbenzene) -			TWA: 210 mg/m³ STEL 442 mg/m³	TWA: 25 ppm TWA: 108 mg/m³	TWA: 100 mg/m³ STEL 200 mg/m³
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 1210 mg/m³ STEL: 2420 mg/m³	TWA: 125 ppm TWA: 295 mg/m³ STEL: 156.25 ppm STEL: 368.75 mg/m³	STEL: 1800 mg/m³ TWA: 600 mg/m³
Propylene glycol monomethyl ether acetate 108-65-6	Peau* STEL: 100 ppm STEL: 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	skin* STEL: 100 ppm STEL: 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	TWA: 550 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 75 ppm STEL: 337.5 mg/m³ H*	STEL: 520 mg/m³ TWA: 260 mg/m³ skóra*
Methyl ethyl ketone 78-93-3	STEL: 300 ppm STEL: 900 mg/m³ TWA: 200 ppm TWA: 600 mg/m³	STEL: 300 ppm STEL: 900 mg/m³ TWA: 200 ppm TWA: 600 mg/m³	TWA: 590 mg/m³ STEL: 900 mg/m³ H*	TWA: 75 ppm TWA: 220 mg/m³ STEL: 112.5 ppm STEL: 275 mg/m³	STEL: 900 mg/m³ TWA: 450 mg/m³ skóra*
Isopropyl alcohol 67-63-0				TWA: 100 ppm TWA: 245 mg/m³ STEL: 150 ppm	STEL: 1200 mg/m³ TWA: 900 mg/m³ skóra*

				STEL: 306.25 mg/m³	
Isobutyl alcohol 78-83-1				Ceiling: 25 ppm Ceiling: 75 mg/m³ H*	STEL: 200 mg/m³ TWA: 100 mg/m³ skóra*
1-methoxy-2-propanol 107-98-2	Peau* STEL: 150 ppm STEL: 568 mg/m³ TWA: 100 ppm TWA: 375 mg/m³	skin* STEL: 150 ppm STEL: 568 mg/m³ TWA: 100 ppm TWA: 375 mg/m³	TWA: 375 mg/m³ 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*
n-Butyl acetate 123-86-4		STEL: 150 ppm STEL: 723 mg/m³ TWA: 50 ppm TWA: 214 mg/m³	TWA: 241 mg/m³ STEL: 723 mg/m³	TWA: 241 mg/m³ TWA: 50 ppm STEL: 723 mg/m³ STEL: 150 ppm	STEL: 720 mg/m³ TWA: 240 mg/m³
Ethyl acetate 141-78-6	STEL: 1468 mg/m³ STEL: 400 ppm	STEL: 400 ppm STEL: 1468 mg/m³ TWA: 200 ppm TWA: 734 mg/m³	TWA: 734 mg/m³ STEL: 1468 mg/m³	TWA: 200 ppm TWA: 734 mg/m³ STEL: 400 ppm STEL: 1468 mg/m³	STEL: 1468 mg/m³ TWA: 734 mg/m³
Methyl acetate 79-20-9				TWA: 100 ppm TWA: 305 mg/m³ STEL: 150 ppm STEL: 381.25 mg/m³	STEL: 600 mg/m³ TWA: 250 mg/m³
Ethyl alcohol 64-17-5			TWA: 260 mg/m³ STEL: 1900 mg/m³ H*	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³	TWA: 1900 mg/m³
Toluene 108-88-3	Peau* STEL: 100 ppm STEL: 384 mg/m³ TWA: 50 ppm TWA: 192 mg/m³	skin* STEL: 100 ppm STEL: 384 mg/m³ TWA: 50 ppm TWA: 192 mg/m³	TWA: 150 mg/m³ 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*
Isopropyl acetate 108-21-4				TWA: 100 ppm TWA: 420 mg/m³ STEL: 150 ppm STEL: 525 mg/m³	STEL: 1000 mg/m³ TWA: 600 mg/m³
1-Butanol 71-36-3				Ceiling: 25 ppm Ceiling: 75 mg/m³ H*	STEL: 150 mg/m³ TWA: 50 mg/m³ skóra*
Cyclohexane 110-82-7	TWA: 200 ppm TWA: 700 mg/m³	TWA: 200 ppm TWA: 700 mg/m³	TWA: 700 mg/m³ 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*
Methanol 67-56-1	Peau* TWA: 200 ppm TWA: 260 mg/m³	skin* TWA: 200 ppm TWA: 260 mg/m³	TWA: 133 mg/m³ H*	TWA: 100 ppm TWA: 130 mg/m³ STEL: 150 ppm STEL: 162.5 mg/m³ H*	STEL: 300 mg/m³ TWA: 100 mg/m³ Prohibited - substances or mixtures containing Methanol in weight concentration >3%;except fuels used in the model building, powerboating, fuel cells and biofuels skóra*
Chemical name	**Portugal**	**Romania**	**Slovakia**	**Slovenia**	**Spain**
Xylene (reaction product of xylene and ethylbenzene) -		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
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m³ STEL: 750 ppm	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³ STEL: 2420 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³

				STEL: 1000 ppm	
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ Cutânea*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ P*	TWA: 50 ppm TWA: 275 mg/m³ K* Ceiling: 550 mg/m³	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ K*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ vía dérmica*
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³	TWA: 200 ppm TWA: 600 mg/m³ Ceiling: 900 mg/m³	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³ K*	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³
Isopropyl alcohol 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
Isobutyl alcohol 78-83-1	TWA: 50 ppm	TWA: 33 ppm TWA: 100 mg/m³ STEL: 66 ppm STEL: 200 mg/m³	TWA: 100 ppm TWA: 310 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ STEL: 100 ppm STEL: 310 mg/m³	TWA: 50 ppm TWA: 154 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*
n-Butyl acetate 123-86-4	TWA: 50 ppm TWA: 241 mg/m³ STEL: 150 ppm STEL: 723 mg/m³	TWA: 150 ppm TWA: 715 mg/m³ STEL: 200 ppm STEL: 950 mg/m³	TWA: 100 ppm TWA: 500 mg/m³ Ceiling: 700 mg/m³	TWA: 241 mg/m³ TWA: 50 ppm STEL: 150 ppm STEL: 723 mg/m³	TWA: 50 ppm TWA: 241 mg/m³ STEL: 150 ppm STEL: 723 mg/m³
Ethyl acetate 141-78-6	TWA: 200 ppm TWA: 734 mg/m³ STEL: 1468 mg/m³ STEL: 400 ppm	TWA: 111 ppm TWA: 400 mg/m³ STEL: 139 ppm STEL: 500 mg/m³	TWA: 200 ppm TWA: 734 mg/m³ Ceiling: 1100 mg/m³	TWA: 200 ppm TWA: 734 mg/m³ STEL: 400 ppm STEL: 1468 mg/m³	TWA: 200 ppm TWA: 734 mg/m³ STEL: 400 ppm STEL: 1468 mg/m³
Methyl acetate 79-20-9	TWA: 200 ppm STEL: 250 ppm	TWA: 63 ppm TWA: 200 mg/m³ STEL: 188 ppm STEL: 600 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Ceiling: 770 mg/m³	TWA: 200 ppm TWA: 620 mg/m³ STEL: 400 ppm STEL: 1240 mg/m³	TWA: 200 ppm TWA: 616 mg/m³ STEL: 250 ppm STEL: 770 mg/m³
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 5000 ppm STEL: 9500 mg/m³	TWA: 500 ppm TWA: 960 mg/m³ Ceiling: 1920 mg/m³	TWA: 960 mg/m³ TWA: 500 ppm STEL: 1000 ppm STEL: 1920 mg/m³	STEL: 1000 ppm STEL: 1910 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*
Isopropyl acetate 108-21-4	TWA: 100 ppm STEL: 200 ppm	TWA: 96 ppm TWA: 400 mg/m³ STEL: 144 ppm STEL: 600 mg/m³			TWA: 100 ppm TWA: 425 mg/m³ STEL: 200 ppm STEL: 850 mg/m³
1-Butanol 71-36-3	TWA: 20 ppm	TWA: 33 ppm TWA: 100 mg/m³ STEL: 66 ppm STEL: 200 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Ceiling: 310 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ STEL: 100 ppm STEL: 310 mg/m³	TWA: 20 ppm TWA: 61 mg/m³ STEL: 50 ppm STEL: 154 mg/m³
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
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm Cutânea*	TWA: 200 ppm TWA: 260 mg/m³ P*	TWA: 200 ppm TWA: 260 mg/m³ K*	TWA: 200 ppm TWA: 260 mg/m³ STEL: 800 ppm STEL: 1040 mg/m³	TWA: 200 ppm TWA: 266 mg/m³ vía dérmica*

				K*	
Chemical name	**Sweden**	**Switzerland**	**United Kingdom**	**Russia**	**Turkey**
Xylene (reaction product of xylene and ethylbenzene) -	TWA: 50 ppm TWA: 221 mg/m³ STEL 100 ppm STEL 442 mg/m³	TWA: 50 ppm TWA: 220 mg/m³ STEL 100 ppm STEL 440 mg/m³	TWA: 50 ppm TWA: 220 mg/m³ STEL 100 ppm STEL 441 mg/m³		TWA: 50 ppm TWA: 221 mg/m³ STEL 100 ppm STEL 442 mg/m³
Acetone 67-64-1	NGV: 250 ppm NGV: 600 mg/m³ Vägledande KGV: 500 ppm Vägledande KGV: 1200 mg/m³	TWA: 500 ppm TWA: 1200 mg/m³ STEL: 1000 ppm STEL: 2400 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³ STEL: 1500 ppm STEL: 3620 mg/m³	TWA: 200 mg/m³ MAC: 800 mg/m³	TWA: 500 ppm TWA: 1210 mg/m³
Propylene glycol monomethyl ether acetate 108-65-6	NGV: 50 ppm NGV: 275 mg/m³ Bindande KGV: 100 ppm Bindande KGV: 550 mg/m³ *	TWA: 50 ppm TWA: 275 mg/m³ STEL: 50 ppm STEL: 275 mg/m³	TWA: 50 ppm TWA: 274 mg/m³ STEL: 100 ppm STEL: 548 mg/m³ Sk*	MAC: 10 mg/m³	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ S*
Methyl ethyl ketone 78-93-3	NGV: 50 ppm NGV: 150 mg/m³ Bindande KGV: 300 ppm Bindande KGV: 900 mg/m³	TWA: 200 ppm TWA: 590 mg/m³ STEL: 200 ppm STEL: 590 mg/m³ H*	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 899 mg/m³ Sk*	TWA: 200 mg/m³ MAC: 400 mg/m³	TWA: 200 ppm TWA: 600 mg/m³ STEL: 300 ppm STEL: 900 mg/m³
Isopropyl alcohol 67-63-0	NGV: 150 ppm NGV: 350 mg/m³ Vägledande KGV: 250 ppm Vägledande KGV: 600 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	TWA: 10 mg/m³ MAC: 50 mg/m³	
Isobutyl alcohol 78-83-1	NGV: 50 ppm NGV: 150 mg/m³ Vägledande KGV: 75 ppm Vägledande KGV: 250 mg/m³ *	TWA: 50 ppm TWA: 150 mg/m³ STEL: 50 ppm STEL: 150 mg/m³	TWA: 50 ppm TWA: 154 mg/m³ STEL: 75 ppm STEL: 231 mg/m³	MAC: 10 mg/m³	
1-methoxy-2-propanol 107-98-2	NGV: 50 ppm NGV: 190 mg/m³ Bindande KGV: 150 ppm Bindande KGV: 568 mg/m³ *	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*		TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 568 mg/m³ S*
n-Butyl acetate 123-86-4	NGV: 50 ppm NGV: 241 mg/m³ Bindande KGV: 150 ppm Bindande KGV: 723 mg/m³	TWA: 50 ppm TWA: 240 mg/m³ STEL: 150 ppm STEL: 720 mg/m³	TWA: 150 ppm TWA: 724 mg/m³ STEL: 200 ppm STEL: 966 mg/m³	TWA: 50 mg/m³ MAC: 200 mg/m³	
Ethyl acetate 141-78-6	NGV: 150 ppm NGV: 550 mg/m³ Bindande KGV: 300 ppm Bindande KGV: 1100 mg/m³	TWA: 200 ppm TWA: 730 mg/m³ STEL: 400 ppm STEL: 1460 mg/m³	TWA: 734 mg/m³ TWA: 200 ppm STEL: 1468 mg/m³ STEL: 400 ppm	TWA: 50 mg/m³ MAC: 200 mg/m³	
Methyl acetate 79-20-9	NGV: 150 ppm NGV: 450 mg/m³ Vägledande KGV: 300 ppm	TWA: 100 ppm TWA: 310 mg/m³ STEL: 400 ppm STEL: 1240 mg/m³	TWA: 200 ppm TWA: 616 mg/m³ STEL: 250 ppm STEL: 770 mg/m³	MAC: 100 mg/m³	

	Vägledande KGV: 900 mg/m³				
Ethyl alcohol 64-17-5	NGV: 500 ppm NGV: 1000 mg/m³ Vägledande KGV: 1000 ppm Vägledande KGV: 1900 mg/m³	TWA: 500 ppm TWA: 960 mg/m³ STEL: 1000 ppm STEL: 1920 mg/m³	TWA: 1000 ppm TWA: 1920 mg/m³ STEL: 3000 ppm STEL: 5760 mg/m³	TWA: 1000 mg/m³ MAC: 2000 mg/m³	
Toluene 108-88-3	NGV: 50 ppm NGV: 192 mg/m³ Bindande KGV: 100 ppm Bindande KGV: 384 mg/m³ *	TWA: 50 ppm TWA: 190 mg/m³ STEL: 200 ppm STEL: 760 mg/m³ H*	TWA: 50 ppm TWA: 191 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ Sk*	TWA: 50 mg/m³ MAC: 150 mg/m³	TWA: 50 ppm TWA: 192 mg/m³ STEL: 100 ppm STEL: 384 mg/m³ S*
Isopropyl acetate 108-21-4		TWA: 100 ppm TWA: 420 mg/m³ STEL: 200 ppm STEL: 840 mg/m³	STEL: 200 ppm STEL: 849 mg/m³	TWA: 50 mg/m³ MAC: 200 mg/m³	
1-Butanol 71-36-3	NGV: 15 ppm NGV: 45 mg/m³ Bindande KGV: 30 ppm Bindande KGV: 90 mg/m³ *	TWA: 100 ppm TWA: 310 mg/m³ STEL: 100 ppm STEL: 310 mg/m³	STEL: 50 ppm STEL: 154 mg/m³ Sk*	TWA: 10 mg/m³ MAC: 30 mg/m³	
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	MAC: 80 mg/m³	TWA: 200 ppm TWA: 700 mg/m³
Methanol 67-56-1	NGV: 200 ppm NGV: 250 mg/m³ Vägledande KGV: 250 ppm Vägledande KGV: 350 mg/m³ *	TWA: 200 ppm TWA: 260 mg/m³ STEL: 400 ppm STEL: 520 mg/m³ H*	TWA: 200 ppm TWA: 266 mg/m³ STEL: 250 ppm STEL: 333 mg/m³ Sk*	TWA: 5 mg/m³ MAC: 15 mg/m³ Skin	TWA: 200 ppm TWA: 260 mg/m³ S*

Biological occupational exposure limits:

Chemical name	European Union	Germany DFG	Netherlands	Spain	United Kingdom	Hungary
Acetone 67-64-1	-	80 mg/L (urine - Acetone end of shift) 50 mg/L - BAT (end of exposure or end of shift) urine 2.5 mg/L - BAR (end of exposure or end of shift) urine		50 mg/L - urine (Acetone) - end of shift	-	
Methyl ethyl ketone 78-93-3	-	2 mg/L (urine - 2-Butanone end of shift) 2 mg/L - BAT (end of exposure or end of shift) urine		2 mg/L - urine (Methyl ethyl ketone) - end of shift	70 µmol/L - urine (Butan-2-one) - post shift	
Isopropyl alcohol 67-63-0	-	25 mg/L (whole blood - Acetone		40 mg/L - urine (Acetone) - end of	-	

Chemical name	European Union	Germany DFG	Netherlands	Spain	United Kingdom	Hungary
		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		workweek		
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			-	
Toluene 108-88-3	-	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		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	-	1 mg/g Creatinine (urine - o-Cresol end of shift) 1 µmol/mmol Creatinine (urine - o-Cresol end of shift)
1-Butanol 71-36-3	-	10 mg/g Creatinine (urine - 1-Butanol (after hydrolysis) end of shift) 2 mg/g Creatinine (urine - 1-Butanol (after hydrolysis) before beginning of			-	

Chemical name	European Union	Germany DFG	Netherlands	Spain	United Kingdom	Hungary
		next shift) 2 mg/g Creatinine - BAT (at the beginning of the next shift) urine 10 mg/g Creatinine - BAT (end of exposure or end of shift) urine				
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 end of the shift after several shifts) urine			-	
Methanol 67-56-1	-	30 mg/g - urine (methanol) - end of shift		15 mg/L - urine (Methanol) - end of shift	-	30 mg/L (urine - Methanol end of shift) 940 µmol/L (urine - Methanol end of shift)

Chemical name	France	Italy MDLPS	Portugal	Finland	Denmark	Czech Republic
Acetone 67-64-1	100 mg/L - urine (Acetone) - end of shift	-	-			
Methyl ethyl ketone 78-93-3	2 mg/L - urine (Methylethylketone) - end of shift	-	-			
Toluene 108-88-3	1 mg/L - venous blood (Toluene) - end of shift 2500 mg/g creatinine - urine (Hippuric acid) - end of shift	-	-	500 nmol/L - blood (Toluene) - in the morning after a working day		
Methanol 67-56-1	15 mg/L - urine (Methanol) - end of shift	-	-			

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Xylene (reaction product of xylene and ethylbenzene)	1.5 g/L (urine - Methylhippuric acid	2 g/L - urine (Methylhippuric	-	-	-	

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
-	after end of work day, at the end of a work week/end of the shift)	acid) - end of shift				
Acetone 67-64-1	-	80 mg/L - urine (Acetone) - end of shift 1.38 mmol/L - urine (Acetone) - end of shift	-	-	50 mg/L (urine - Acetone end of shift)	
Methyl ethyl ketone 78-93-3	-	2 mg/L - urine (2-Butanone) - end of shift, before subsequent shift or 16 hour 27.7 µmol/L - urine (2-Butanone) - end of shift, before subsequent shift or 16 hour	-	-	70 µmol/L (urine - Butan-2-one post shift)	
Isopropyl alcohol 67-63-0	-	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	-	-	40 mg/L (urine - Acetone end of shift at end of workweek)	
1-methoxy-2-propanol 107-98-2	-	20 mg/L - urine (1-Methoxypropanol-2) - end of shift 221.9 µmol/L - urine (1-Methoxypropanol-2) - end of shift	-	-	-	
Toluene 108-88-3	10 g/dL Hemoglobin (blood - by the first screening and once yearly) 12 g/dL Hemoglobin (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	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) 1.26 mmol/mmol creatinine - urine (Hippuric acid) - end of shift, and after several shifts (for long-term exposures) 0.5 mg/L - urine	-	-	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)	

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
	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)	(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				
1-Butanol 71-36-3	-	10 mg/g creatinine - urine (n-Butanol) - end of shift 2 mg/g creatinine - urine (n-Butanol) - before subsequent shift or 16 hour	-	-	-	
Cyclohexane 110-82-7	-	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)	-	-	-	
Methanol 67-56-1	-	30 mg/L - urine (Methanol) - end of shift, and after several shifts (for long-term exposures) 936 µmol/L - urine (Methanol) - end of shift, and after several shifts (for long-term exposures)	-	-	15 mg/L (urine - Methanol end of shift)	

Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

Chemical name	long-term, systemic	short-term, systemic	long-term, local	short-term, local
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane	2 035 mg/m³			
Xylene (reaction product of xylene and ethylbenzene)	221 mg/m³	442 mg/m³	221 mg/m³	442 mg/m³
Acetone	1210 mg/m³			2420 mg/m³
Propylene glycol monomethyl ether acetate	275 mg/m³			550 mg/m³
Methyl ethyl ketone	600 mg/m³			
Isopropyl alcohol	500 mg/m³			
Isobutyl alcohol			310 mg/m³	
1-methoxy-2-propanol	369 mg/m³	553.5 mg/m³		553.5 mg/m³
Ethyl acetate	734 mg/m³	1468 mg/m³	734 mg/m³	1468 mg/m³
Methyl acetate	300 mg/m³	3777 mg/m³	620 mg/m³	
Ethyl alcohol	950 mg/m³			1900 mg/m³
Toluene	192 mg/m³	384 mg/m³	192 mg/m³	384 mg/m³
Isopropyl acetate	275 mg/m³	558 mg/m³	227 mg/m³	
1-Butanol			310 mg/m³	
Cyclohexane	700 mg/m³	1400 mg/m³	700 mg/m³	1400 mg/m³
Methanol	130 mg/m³	130 mg/m³	130 mg/m³	130 mg/m³

Worker - dermal:

Chemical name	long-term, systemic	short-term, systemic	long-term, local	short-term, local
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane	773 mg/kg bw/day			
Xylene (reaction product of xylene and ethylbenzene)	212 mg/kg bw/day			
Acetone	186 mg/kg bw/day			
Propylene glycol monomethyl ether acetate	796 mg/kg bw/day			
Methyl ethyl ketone	1161 mg/kg bw/day			
Isopropyl alcohol	888 mg/kg bw/day			
1-methoxy-2-propanol	183 mg/kg bw/day			
Ethyl acetate	63 mg/kg bw/day			
Methyl acetate	43 mg/kg bw/day			
Ethyl alcohol	343 mg/kg bw/day			
Toluene	384 mg/kg bw/day			
Isopropyl acetate	27 mg/kg bw/day			
Cyclohexane	2016 mg/kg bw/day			
Methanol	20 mg/kg bw/day	20 mg/kg bw/day		

Consumer - inhalative:

Chemical name	long-term, systemic	short-term, systemic	long-term, local	short-term, local
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane	608 mg/m³			
Xylene (reaction product of xylene and ethylbenzene)	65.3 mg/m³	260 mg/m³	65.3 mg/m³	260 mg/m³
Acetone	200 mg/m³			
Propylene glycol monomethyl ether acetate	33 mg/m³		33 mg/m³	
Methyl ethyl ketone	106 mg/m³			
Isopropyl alcohol	89 mg/m³			
Isobutyl alcohol			55 mg/m³	
1-methoxy-2-propanol	43.9 mg/m³			
Ethyl acetate	367 mg/m³	734 mg/m³	367 mg/m³	734 mg/m³
Methyl acetate	64 mg/m³	3777 mg/m³	133 mg/m³	
Ethyl alcohol	114 mg/m³			950 mg/m³
Toluene	56.5 mg/m³	226 mg/m³	56.5 mg/m³	226 mg/m³
Isopropyl acetate	168 mg/m³	335 mg/m³	136 mg/m³	
1-Butanol	55.357 mg/m³		155 mg/m³	
Cyclohexane	206 mg/m³	412 mg/m³	206 mg/m³	412 mg/m³
Methanol	26 mg/m³	26 mg/m³	26 mg/m³	26 mg/m³

Consumer - dermal:

Chemical name	long-term, systemic	short-term, systemic	long-term, local	short-term, local
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane	699 mg/kg bw/day			
Xylene (reaction product of xylene and ethylbenzene)	125 mg/kg bw/day			
Acetone	62 mg/kg bw/day			
Propylene glycol monomethyl ether acetate	320 mg/kg bw/day			
Methyl ethyl ketone	412 mg/kg bw/day			
Isopropyl alcohol	319 mg/kg bw/day			
1-methoxy-2-propanol	78 mg/kg bw/day			
Ethyl acetate	37 mg/kg bw/day			
Methyl acetate	21.5 mg/kg bw/day	203 mg/kg bw/day		
Ethyl alcohol	206 mg/kg bw/day			
Toluene	226 mg/kg bw/day			
Isopropyl acetate	16 mg/kg bw/day			
1-Butanol	3.125 mg/kg bw/day			
Cyclohexane	1186 mg/kg bw/day			
Methanol	4 mg/kg bw/day	4 mg/kg bw/day		

Consumer - oral:

Chemical name	long-term, systemic	short-term, systemic	long-term, local	short-term, local
Hydrocarbons, C6 - 7,	699 mg/kg bw/day			

Chemical name	long-term, systemic	short-term, systemic	long-term, local	short-term, local
n-alkanes, i-alkanes, cyclics, < 5% n-Hexane				
Xylene (reaction product of xylene and ethylbenzene)	12.5 mg/kg bw/day			
Acetone	62 mg/kg bw/day			
Propylene glycol monomethyl ether acetate	36 mg/kg bw/day			
Methyl ethyl ketone	31 mg/kg bw/day			
Isopropyl alcohol	26 mg/kg bw/day			
1-methoxy-2-propanol	33 mg/kg bw/day			
Ethyl acetate	4.5 mg/kg bw/day			
Methyl acetate	21.5 mg/kg bw/day	203 mg/kg bw/day		
Ethyl alcohol	87 mg/kg bw/day			
Toluene	8.13 mg/kg bw/day			
Isopropyl acetate	16 mg/kg bw/day			
1-Butanol	1.5625 mg/kg bw/day			
Cyclohexane	59.4 mg/kg bw/day			
Methanol	4 mg/kg bw/day	4 mg/kg bw/day		

Predicted No Effect Concentration (PNEC):

component information:

Chemical name	**Xylene (reaction product of xylene and ethylbenzene) CAS: -**
Freshwater	327 µg/L
Marine water	327 µg/L
Freshwater (intermittent release)	327 µg/L
Sewage treatment	6.58 mg/L
Freshwater sediment	12.46 mg/kg
Marine sediment	12.46 mg/kg
Soil	2.31 mg/kg
Chemical name	**Acetone CAS: 67-64-1**
Freshwater	10.6 mg/L
Marine water	1.06 mg/L
Freshwater (intermittent release)	21 mg/L
Sewage treatment	100 mg/L
Freshwater sediment	30.4 mg/kg sediment dw
Marine sediment	3.04 mg/kg sediment dw
Soil	29.5 mg/kg soil dw
Chemical name	**Propylene glycol monomethyl ether acetate CAS: 108-65-6**
Freshwater	0.635 mg/L
Marine water	0.0635 mg/L
Freshwater (intermittent release)	6.35 mg/L
Sewage treatment	100 mg/L
Freshwater sediment	3.29 mg/kg sediment dw
Marine sediment	0.329 mg/kg sediment dw
Soil	0.29 mg/kg soil dw
Chemical name	**Methyl ethyl ketone**

	CAS: 78-93-3
Freshwater	55.8 mg/L
Marine water	55.8 mg/L
Freshwater (intermittent release)	55.8 mg/L
Sewage treatment	709 mg/L
Freshwater sediment	284.74 mg/kg sediment dw
Marine sediment	284.7 mg/kg sediment dw
Soil	22.5 mg/kg soil dw
Food chain	1000 mg/kg food
Chemical name	**Isopropyl alcohol CAS: 67-63-0**
Freshwater	140.9 mg/L
Marine water	140.9 mg/L
Freshwater (intermittent release)	140.9 mg/L
Sewage treatment	2251 mg/L
Freshwater sediment	552 mg/kg sediment dw
Marine sediment	552 mg/kg sediment dw
Soil	28 mg/kg soil dw
Food chain	160 mg/kg food
Chemical name	**Isobutyl alcohol CAS: 78-83-1**
Freshwater	0.4 mg/L
Marine water	0.04 mg/L
Freshwater (intermittent release)	11 mg/L
Sewage treatment	10 mg/L
Freshwater sediment	1.56 mg/kg sediment dw
Marine sediment	0.156 mg/kg sediment dw
Soil	0.0765 mg/kg soil dw
Chemical name	**1-methoxy-2-propanol CAS: 107-98-2**
Freshwater	10 mg/L
Marine water	1 mg/L
Freshwater (intermittent release)	100 mg/L
Sewage treatment	100 mg/L
Freshwater sediment	52.3 mg/kg sediment dw
Marine sediment	5.2 mg/kg sediment dw
Soil	4.59 mg/kg soil dw
Chemical name	**n-Butyl acetate CAS: 123-86-4**
Freshwater	0.18 mg/L
Marine water	0.018 mg/L
Freshwater (intermittent release)	0.36 mg/L
Sewage treatment	35.6 mg/L
Freshwater sediment	0.981 mg/kg sediment dw
Marine sediment	0.0981 mg/kg sediment dw
Soil	0.0903 mg/kg soil dw
Chemical name	**Ethyl acetate CAS: 141-78-6**
Freshwater	0.24 mg/L
Marine water	0.024 mg/L
Freshwater (intermittent release)	1.65 mg/L
Sewage treatment	650 mg/L

Freshwater sediment	1.15 mg/kg sediment dw
Marine sediment	0.115 mg/kg sediment dw
Soil	0.148 mg/kg soil dw
Food chain	0.2 g/kg food
Chemical name	**Toluene CAS: 108-88-3**
Freshwater	0.68 mg/L
Marine water	0.68 mg/L
Freshwater (intermittent release)	0.68 mg/L
Sewage treatment	13.61 mg/L
Freshwater sediment	16.39 mg/kg sediment dw
Marine sediment	16.39 mg/kg sediment dw
Soil	2.89 mg/kg soil dw
Chemical name	**Isopropyl acetate CAS: 108-21-4**
Freshwater	0.22 mg/L
Marine water	0.022 mg/L
Freshwater (intermittent release)	1.1 mg/L
Sewage treatment	190 mg/L
Freshwater sediment	1.25 mg/kg sediment dw
Marine sediment	0.125 mg/kg sediment dw
Soil	0.35 mg/kg soil dw
Chemical name	**1-Butanol CAS: 71-36-3**
Freshwater	0.082 mg/L
Marine water	0.0082 mg/L
Freshwater (intermittent release)	2.25 mg/L
Sewage treatment	2476 mg/L
Freshwater sediment	0.324 mg/kg sediment dw
Marine sediment	0.0324 mg/kg sediment dw
Soil	0.0166 mg/kg soil dw
Chemical name	**Cyclohexane CAS: 110-82-7**
Freshwater	0.207 mg/L
Marine water	0.207 mg/L
Freshwater (intermittent release)	0.207 mg/L
Sewage treatment	3.24 mg/L
Freshwater sediment	16.68 mg/kg sediment dw
Marine sediment	16.68 mg/kg sediment dw
Soil	3.38 mg/kg soil dw
Chemical name	**Methanol CAS: 67-56-1**
Freshwater	20.8 mg/L
Marine water	2.08 mg/L
Freshwater (intermittent release)	1540 mg/L
Sewage treatment	100 mg/L
Freshwater sediment	77 mg/kg sediment dw
Marine sediment	7.7 mg/kg sediment dw
Soil	100 mg/kg soil dw
Chemical name	**Ethyl (S)-2-hydroxypropionate CAS: 687-47-8**
Freshwater	0.32 mg/L

Marine water	0.032 mg/L
Freshwater (intermittent release)	3.2 mg/L
Freshwater sediment	1.66 mg/kg sediment dw
Marine sediment	0.166 mg/kg sediment dw
Soil	0.145 mg/kg soil dw

8.2. Exposure controls

Engineering controls: Showers, eyewash stations, and ventilation systems.

Personal protective equipment: The usual precautionary measures for the handling of chemicals have to be observed.

Eye/face protection: Tight sealing safety goggles.

Hand protection: Wear suitable gloves. Impervious gloves.

PPE - Glove material	Glove thickness	Break through time
Barrier (PE/PA/PE)	0.07 mm	>=480 min.

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.

Recommended Filter Type: Filtering device (full mask or mouthpiec) with filter: AP-2

Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid
Color colorless
Odor characteristic

				Conditions	*Method*	*Remarks*
Melting point / melting range						Not established
Boiling point / boiling range		55 - 185	°C			
Flammability						Not established
Decomposition temperature						not relevant
Flash point	~	-10	°C			
Autoignition temperature	>	200	°C			
Lower explosive limit		1	Vol%			
Upper explosion limit		36.5	Vol%			
Vapor pressure	>	1100	hPa	50 °C		
Density	~	0.847	g/cm³	20 °C		

Water solubility					partially miscible
pH					Not applicable
pH (as aqueous solution)					Not established
Partition coefficient					Not established
Kinematic viscosity	<	20.5	mm²/s	40 °C	
Odor threshold					Not established
Relative density					Not established
Evaporation rate					Not established
Relative vapor density	no data available				
Particle Size	no data available				
Particle Size Distribution	no data available				

9.2. Other information

Bulk density:	no data available
Softening point	No information available
Molecular weight	No information available

9.2.1. Information with regard to physical hazard classes:

Explosive properties	No data available
Oxidizing properties	No data available

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.

10.5. Incompatible materials

Incompatible materials: Strong acids. Strong bases. Strong oxidizing 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: 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.

Eye contact: Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact: Specific test data for the substance or mixture is not available. Repeated exposure may cause skin dryness or cracking. Causes skin irritation. (based on components).

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. 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.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: Redness. Burning. May cause blindness. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity:

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

ATEmix (oral):	4,378.60 mg/kg
ATEmix (dermal):	5,437.50 mg/kg
ATEmix (inhalation-gas):	67,437.40 ppm
ATEmix (inhalation-dust/mist):	33.80 mg/l
ATEmix (inhalation-vapor):	50.40 mg/l

Component Information:

Chemical name	Parameter	Species	Effective dose	Method
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	Oral LD50	Rat	> 5000 mg/kg	
Xylene (reaction product of xylene and ethylbenzene) -	Oral LD50	Rat	3523 mg/kg	EG92/69/EWG B.1
Acetone 67-64-1	Oral LD50	Rat	5800 mg/kg	OECD 401

Chemical name	Parameter	Species	Effective dose	Method
Propylene glycol monomethyl ether acetate 108-65-6	Oral LD50	Rat	> 2000 mg/kg	OECD 401
Hydrocarbons, C9, aromats -	Oral LD50	Rat	3592 mg/kg	OECD 401
Methyl ethyl ketone 78-93-3	Oral LD50	Rat	> 2193 mg/kg	OECD 423
Isopropyl alcohol 67-63-0	Oral LD50	Rat	5480 mg/kg	OECD 401
Isobutyl alcohol 78-83-1	Oral LD50	Rat	2460 mg/kg	
1-methoxy-2-propanol 107-98-2	Oral LD50	Rat	4016 mg/kg	
n-Butyl acetate 123-86-4	Oral LD50	Rat	10768 mg/kg	OECD 423
Ethyl acetate 141-78-6	Oral LD50	Rabbit Rat	4934 mg/kg	OECD 401
Methyl acetate 79-20-9	Oral LD50	Rat	> 5 g/kg	
Ethyl alcohol 64-17-5	Oral LD50	Rat	10470 mg/kg	OECD 401
Toluene 108-88-3	Oral LD50	Rat	5580 mg/kg	OECD 401
Isopropyl acetate 108-21-4	Oral LD50	Rat	3000 mg/kg	
1-Butanol 71-36-3	Oral LD50	Rat	2292 mg/kg	OECD 401
Cyclohexane 110-82-7	Oral LD50	Rat	> 5000 mg/kg	OECD 401
Methanol 67-56-1	Oral LD50	Rat	1187 - 2769 mg/kg	
Ethyl (S)-2-hydroxypropionate 687-47-8	Oral LD50	Rat	> 2000 mg/kg	OECD 401
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	Oral LD50	Rat	> 5000 mg/kg	OECD 401
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Oral LD50	Rat	> 5000 mg/kg	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	Oral LD50	Rat	> 15000 mg/kg	OECD 401

Chemical name	Parameters	Species	Effective dose	Method
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	Dermal LD50	Rat	> 2000 mg/kg	
Xylene (reaction product of xylene and ethylbenzene) -	Dermal LD50	Rabbit	12126 mg/kg	
Acetone	Dermal LD50	Rabbit	> 15700 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
67-64-1				
Propylene glycol monomethyl ether acetate 108-65-6	Dermal LD50	Rabbit	> 5000 mg/kg	OECD 402
Hydrocarbons, C9, aromats -	Dermal LD50	Rabbit	> 3160 mg/kg	OECD 402
Methyl ethyl ketone 78-93-3	Dermal LD50	Rabbit	> 5000 mg/kg	OECD 402
Isopropyl alcohol 67-63-0	Dermal LD50	Rabbit	> 10000 mg/kg	OECD 402
Isobutyl alcohol 78-83-1	Dermal LD50	Rabbit	3400 mg/kg	
1-methoxy-2-propanol 107-98-2	Dermal LD50	Rabbit	> 2000 mg/kg	
n-Butyl acetate 123-86-4	Dermal LD50	Rabbit	> 5000 mg/kg	OECD 402
Ethyl acetate 141-78-6	Dermal LD50	Rabbit	> 20000 mg/kg	
Methyl acetate 79-20-9	Dermal LD50	Rabbit	> 5 g/kg	OECD 402
Ethyl alcohol 64-17-5	Dermal LD50	Rabbit	> 2000 mg/kg	OECD 402
Toluene 108-88-3	Dermal LD50	Rabbit	> 5000 mg/kg	
Isopropyl acetate 108-21-4	Dermal LD50	Rabbit	> 17436 mg/kg	
1-Butanol 71-36-3	Dermal LD50	Rabbit	3430 mg/kg	OECD 402
Cyclohexane 110-82-7	Dermal LD50	Rabbit	> 2000 mg/kg	OECD 402
Methanol 67-56-1	Dermal LD50	Rabbit	15840 mg/kg	
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	Dermal LD50	Rabbit	> 2000 mg/kg	OECD 402
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Dermal LD50	Rabbit	> 5000 mg/kg	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	Dermal LD50	Rat	> 3400 mg/kg	OECD 402

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	Inhalation LC50	Rat	> 25.2 mg/L	4 h	
Xylene (reaction product of xylene and ethylbenzene) -	Inhalation LC50	Rat	11000 mg/m³	4 h	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Acetone 67-64-1	Inhalation LC50	Rat	76 mg/L	4 h	
Methyl ethyl ketone 78-93-3	Inhalation LC50	Rat	34 g/m³	4 h	
Isopropyl alcohol 67-63-0	Inhalation LC50	Rat	> 25 mg/L	4 h	OECD 403
Isobutyl alcohol 78-83-1	Inhalation LC50	Rat	> 6.5 mg/L	4 h	
1-methoxy-2-propanol 107-98-2	Inhalation LC50	Rat	36.7 mg/L	4 h	OECD 403
n-Butyl acetate 123-86-4	Inhalation LC50	Rat	23.4 mg/m³	4 h	OECD 403
Ethyl acetate 141-78-6	Inhalation LC50	Rat	> 6000 ppm	6 h	
Methyl acetate 79-20-9	Inhalation LC50	Rat	> 49000 mg/m³	4 h	
Ethyl alcohol 64-17-5	Inhalation LC50	Rat	51 mg/L	4 h	OECD 403
Toluene 108-88-3	Inhalation LC50	Rat	28.1 mg/L	4 h	OECD 403
Isopropyl acetate 108-21-4	Inhalation LC50	Rat	50600 mg/m³	8 h	
1-Butanol 71-36-3	Inhalation LC50	Rat	24.2762	4 h	OECD 403
Cyclohexane 110-82-7	Inhalation LC50	Rat	19.1 mg/L	4 h	OECD 403
Methanol 67-56-1	Inhalation LC50	Rat	128.2 mg/L	4 h	
Ethyl (S)-2-hydroxypropionate 687-47-8	Inhalation LC50	Rat	> 5.4 mg/L	4 h	OECD 403
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	Inhalation LC50	Rat	> 5000 mg/m³	8 h	OECD 403

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

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes burns. Causes serious eye damage.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

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

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Toluene	Repr. 2

STOT - single exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

Chemical name	Exposure route	Target Organs
Methanol 67-56-1	Oral	Eye kidney nervous system

STOT - repeated exposure: No information available.

Chemical name	Exposure route	Target Organs
Xylene (reaction product of xylene and ethylbenzene) -	Inhalation	auditory organs
Toluene 108-88-3	Inhalation	nervous system
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	Inhalation	nervous system

Aspiration hazard: May be fatal if swallowed and enters airways.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane	LL50	Oncorhynchus mykiss	15.8 mg/L	96 h	OECD 203

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
-					
Xylene (reaction product of xylene and ethylbenzene) -	LC50	Oncorhynchus mykiss	2.6 mg/L	96 h	OECD 203
Acetone 67-64-1	LC50	Oncorhynchus mykiss	5540 mg/L	96 h	
Propylene glycol monomethyl ether acetate 108-65-6	LC50	Pimephales promelas	161 mg/L	96 h	
Hydrocarbons, C9, aromats -	LC50	Oncorhynchus mykiss	9.22 mg/L	96 h	
Methyl ethyl ketone 78-93-3	LC50	Pimephales promelas	3130 - 3320 mg/L	96 h	OECD 203
Isopropyl alcohol 67-63-0	LC50	Pimephales promelas	9640 mg/L	96 h	OECD 203
Isobutyl alcohol 78-83-1	LC50	Oncorhynchus mykiss	1370 - 1670 mg/L	96 h	
1-methoxy-2-propanol 107-98-2	LC50	Leuciscus idus	4600 - 10000 mg/L	96 h	DIN 38412
n-Butyl acetate 123-86-4	LC50	Pimephales promelas	17 - 19 mg/L	96 h	OECD 203
Ethyl acetate 141-78-6	LC50 NOEC	Pimephales promelas	220 - 250 mg/L > 9.65 mg/L	96 h 32 d	
Methyl acetate 79-20-9	LC50	Brachydanio rerio	250 - 350 mg/L	96 h	OECD 203
Ethyl alcohol 64-17-5	LC50	Pimephales promelas	15300 mg/L	96 h	
Toluene 108-88-3	LC50 NOEC	Oncorhynchus kisutch	5.5 mg/L 1.39 mg/L	96 h 40 d	
Isopropyl acetate 108-21-4	LC50		265 mg/L	48 h	
1-Butanol 71-36-3	LC50	Pimephales promelas	1376 mg/L	96 h	OECD 203
Cyclohexane 110-82-7	LC50	Pimephales promelas Lepomis macrochirus Poecilia reticulata	3.96 - 5.18 mg/L 23.03 - 42.07 mg/L 48.87 - 68.76 mg/L	96 h	OECD 203
Methanol 67-56-1	LC50	Lepomis macrochirus	15400 mg/L	96 h	
Ethyl (S)-2-hydroxypropionate 687-47-8	LC50	Brachydanio rerio	320 mg/L	96 h	OECD 203
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	LL50	Oncorhynchus mykiss	10 - 30 mg/L	96 h	
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes,	LL0	Oncorhynchus mykiss	1000 mg/L	96 h	

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
cyclics, < 2% aromatics -					
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	LL50	Oncorhynchus mykiss	10 - 30 mg/L	96 h	

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	EL50	Daphnia magna	3 mg/L	48 h	OECD 202
Xylene (reaction product of xylene and ethylbenzene) -	LC 50	Daphnia magna	1.0 mg/L	24 h	OECD 202
Acetone 67-64-1	EC50 NOEC	Daphnia pulex	8800 mg/L 2212 mg/L	48 h 28 d	
Propylene glycol monomethyl ether acetate 108-65-6	EC50	Daphnia magna	> 500 mg/L	48 h	
Hydrocarbons, C9, aromats -	EC50	Daphnia magna	6.14 mg/L	48 h	
Methyl ethyl ketone 78-93-3	EC50	Daphnia magna	> 520 mg/L	48 h	OECD 202
Isopropyl alcohol 67-63-0	EC50	Daphnia magna	13299 mg/L	48 h	OECD 202
Isobutyl alcohol 78-83-1	EC50	Daphnia magna	1070 - 1933 mg/L	48 h	
1-methoxy-2-propanol 107-98-2	EC50	Daphnia magna	23300 mg/L	48 h	
n-Butyl acetate 123-86-4	EC50	Daphnia magna	44 mg/L	48 h	OECD 202
Ethyl acetate 141-78-6	EC50	Daphnia magna	560 mg/L 2.4 mg/L	48 h 21 d	- OECD 211
Methyl acetate 79-20-9	EC50	Daphnia magna	1026.7 mg/L	48 h	OECD 202
Ethyl alcohol 64-17-5	EC50	Daphnia magna	12340 mg/L	48 h	
Toluene 108-88-3	EC50	Cerodaphnia dubia	3.23 mg/L	48 h	
Isopropyl acetate 108-21-4	EC50	Daphnia magna	1260 mg/L	72 h	
1-Butanol 71-36-3	EC50	Daphnia magna	1328 mg/L	48 h	OECD 202
Cyclohexane 110-82-7	EC50	Daphnia magna	0.9 mg/L	48 h	OECD 202

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Methanol 67-56-1	EC50	Daphnia magna	18260 mg/L	96 h	
Ethyl (S)-2-hydroxypropionate 687-47-8	EC50	Daphnia magna	683 mg/L	48 h	OECD 202
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	EL50	Daphnia magna	22 - 46 mg/L	48 h	
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	EL0	Daphnia magna	1000 mg/L	48 h	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	EL50	Daphnia magna	10 - 22 mg/L	48 h	

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	EL50	Pseudokirchneriella subcapitata	10 - 30 mg/L	96 h	OECD 201
Xylene (reaction product of xylene and ethylbenzene) -	EC50	Selenastrum capricornutum	2.2 mg/L	73 h	OECD 201
Acetone 67-64-1	NOEC	Prorocentrum minimum	430 mg/L	96 h	
Propylene glycol monomethyl ether acetate 108-65-6	EC50	Selenastrum capricornutum	> 1000 mg/L	72 h	OECD 201
Hydrocarbons, C9, aromats -	EL50	Pseudokirchneriella subcapitata	2.6 - 2.9 mg/L	72 h	
Methyl ethyl ketone 78-93-3	EC50	Pseudokirchneriella subcapitata	1972 mg/L	72 h	OECD 201
Isopropyl alcohol 67-63-0	EC50	Desmodesmus subspicatus	> 1000 mg/L	72 h	OECD 201
Isobutyl alcohol 78-83-1	EC50	Desmodesmus subspicatus	230 mg/L	48 h	
1-methoxy-2-propanol 107-98-2	EC50	Pseudokirchneriella subcapitata	> 1000 mg/L	7 d	OECD 201
n-Butyl acetate 123-86-4	EC50	Desmodesmus subspicatus	674.7 mg/L	72 h	
Ethyl acetate 141-78-6	EC50	Desmodesmus subspicatus	5600 mg/L > 100 mg/L	48 h 72 h	DIN 38412 OECD 201
Methyl acetate	EC50	Desmodesmus	> 120 mg/L	72 h	OECD 201

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
79-20-9		subspicatus			
Ethyl alcohol 64-17-5	EC50	Chlorella vulgaris	275 mg/L	72 h	OECD 201
Toluene 108-88-3	EC50	Chlorella vulgaris	134 mg/L	72 h	
Isopropyl acetate 108-21-4	EC50	Scenedesmus quadricauda	165 mg/L	48 h	
1-Butanol 71-36-3	EC50	Pseudokirchneriella subcapitata	225mg/L	96 h	
Cyclohexane 110-82-7	EC50	Desmodesmus subspicatus	500 mg/L	72 h	
Methanol 67-56-1	ErC50	Pseudokirchneriella subcapitata	22000 mg/L	96 h	
Ethyl (S)-2-hydroxypropionate 687-47-8	EC50	Pseudokirchneriella subcapitata	2200 mg/L	70 h	OECD 201
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	EL50	Pseudokirchneriella subcapitata	> 1000 mg/L	72 h	
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	EL0	Pseudokirchneriella subcapitata	1000 mg/L	72 h	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	EL50	Pseudokirchneriella subcapitata	< 10 mg/L	72 h	

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Xylene (reaction product of xylene and ethylbenzene) -	NOEC	activated sludge	16 mg/L	28 d	OECD 301 F
Acetone 67-64-1	EC 12	activated sludge	1000 mg/L	30 min.	
Propylene glycol monomethyl ether acetate 108-65-6	EC10	activated sludge	> 1000 mg/L	0.5 h	
Methyl ethyl ketone 78-93-3	EC0	pseudomonas putida	1150 mg/L	16 h	DIN 38412
1-methoxy-2-propanol 107-98-2	EC50	activated sludge	> 1000 mg/L	3 h	
Ethyl acetate 141-78-6	EC 50	Photobacterium phosphoreum	5870 mg/L	15 min.	OECD 201
Methyl acetate 79-20-9	EC10	pseudomonas putida	1830 mg/L	16 h	DIN 38412
1-Butanol	EC10	pseudomonas	2476 mg/L	17 h	DIN 38412

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
71-36-3		putida			
Cyclohexane 110-82-7	IC50	activated sludge	29 mg/L	15 h	

12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	98 %	28 d	Yes		OECD 301 F
Xylene (reaction product of xylene and ethylbenzene) -	90 %	28 d	Yes		
Acetone 67-64-1	91 %	28 d	Yes	Aerobic biological treatment	
Propylene glycol monomethyl ether acetate 108-65-6	83 %	28 d	Yes	Aerobic biological treatment	OECD 301 F
Hydrocarbons, C9, aromats -	78 %	28 d	Yes		
Methyl ethyl ketone 78-93-3	98 %	28 d	Yes	Aerobic biological treatment	OECD 301 D
Isopropyl alcohol 67-63-0	53 %	5 d	Yes		
Isobutyl alcohol 78-83-1	> 70 %	28 d	Yes	Aerobic biological treatment	
1-methoxy-2-propanol 107-98-2	96 %	28 d	Yes	Aerobic biological treatment	
n-Butyl acetate 123-86-4	23 %	28 d	Yes		
Ethyl acetate 141-78-6	79 %	20 d	Yes		OECD 301 D
Methyl acetate 79-20-9	70 %	28 d	Yes	Aerobic biological treatment	OECD 301D
Ethyl alcohol 64-17-5	97 %	28 d	Yes	Aerobic biological treatment	OECD 301 B
Toluene 108-88-3	81 %	5 d	Yes		
Isopropyl acetate 108-21-4	76 %	28 d	Yes		
1-Butanol 71-36-3	92 %	20 d	Yes	Aerobic biological treatment	
Cyclohexane 110-82-7	77 %	28 d	Yes	Aerobic biological treatment	OECD 301 F
Methanol	97 %	20 d	Yes		

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
67-56-1					
Ethyl (S)-2-hydroxypropionate 687-47-8	85 %	28 d	Yes		
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	89 %	28 d	Yes		
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	80 %	28 d	Yes		
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	74.7 %	28 d	Yes		

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	4.1	
Xylene (reaction product of xylene and ethylbenzene) -	3.16	25.9
Acetone 67-64-1	-0.24	0.69
Propylene glycol monomethyl ether acetate 108-65-6	1.2	< 100
Hydrocarbons, C9, aromats -	3.9	
Methyl ethyl ketone 78-93-3	0.3	<= 500
Isopropyl alcohol 67-63-0	0.05	< 500
Isobutyl alcohol 78-83-1	0.79	
1-methoxy-2-propanol 107-98-2	0.37	2
n-Butyl acetate 123-86-4	2.3	15
Ethyl acetate 141-78-6	0.73	30
Methyl acetate 79-20-9	0.18	
Ethyl alcohol 64-17-5	-0.35	0.66
Toluene	2.73	90

108-88-3		
Isopropyl acetate 108-21-4	1.03	
1-Butanol 71-36-3	0.785	0.64
Cyclohexane 110-82-7	3.44	167
Methanol 67-56-1	-0.77	10
Ethyl (S)-2-hydroxypropionate 687-47-8	0.31	
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	3,6	
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	3	

12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment: No information available

Chemical name	PBT and vPvB assessment
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	The substance is not PBT / vPvB
Xylene (reaction product of xylene and ethylbenzene) -	The substance is not PBT / vPvB
Acetone 67-64-1	The substance is not PBT / vPvB
Propylene glycol monomethyl ether acetate 108-65-6	The substance is not PBT / vPvB
Hydrocarbons, C9, aromats -	The substance is not PBT / vPvB
Methyl ethyl ketone 78-93-3	The substance is not PBT / vPvB
Isopropyl alcohol 67-63-0	The substance is not PBT / vPvB
Isobutyl alcohol 78-83-1	The substance is not PBT / vPvB
1-methoxy-2-propanol 107-98-2	The substance is not PBT / vPvB
n-Butyl acetate 123-86-4	The substance is not PBT / vPvB
Ethyl acetate 141-78-6	The substance is not PBT / vPvB
Methyl acetate	The substance is not PBT / vPvB

79-20-9	
Ethyl alcohol 64-17-5	The substance is not PBT / vPvB
Toluene 108-88-3	The substance is not PBT / vPvB
Isopropyl acetate 108-21-4	The substance is not PBT / vPvB
1-Butanol 71-36-3	The substance is not PBT / vPvB
Cyclohexane 110-82-7	The substance is not PBT / vPvB
Methanol 67-56-1	The substance is not PBT / vPvB
Ethyl (S)-2-hydroxypropionate 687-47-8	The substance is not PBT / vPvB
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	The substance is not PBT / vPvB
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	The substance is not PBT / vPvB
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties.

No information available.

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.

Waste codes / waste designations according to EWC / AVV: 07 01 04* (other organic solvents, washing liquids and mother liquors)

SECTION 14: Transport information

14.1 UN number or ID number

ADR: UN1263
RID: UN1263

IMDG:	UN1263
IATA:	UN1263

14.2 UN proper shipping name

ADR:	PAINT
UN1263, PAINT, 3, II	
RID:	PAINT
UN1263, PAINT, 3, II	
IMDG:	PAINT
UN1263, PAINT, 3, II, (-10°C C.C.)	
IATA:	PAINT
UN1263, PAINT, 3, II	

14.3. Transport hazard class(es)

ADR:	3
Hazard label(s)	3
Classification code	F1
ADR Hazard Id (Kemmler Number)	33
Tunnel restriction code	(D/E)
Limited quantity (LQ)	5 L
Excepted quantity	E2
RID:	3
Labels	3
Classification code	F1
IMDG:	3
Hazard label(s)	3
Limited quantity (LQ)	5 L
Excepted quantity	E2
EmS-No.	F-E, S-E
IATA:	3
Hazard label(s)	3
Excepted quantity	E2

14.4. Packing group

ADR:	II
RID:	II
IMDG:	II
IATA:	II

14.5. Environmental hazards

ADR:	No
RID:	No
IMDG:	No

IATA: No

14.6. Special precautions for user

ADR:
Special Provisions: 163, 640C, 650, 367
RID:
Special Provisions: 163, 367, 640C, 650
IMDG:
Special Provisions: 163, 367
IATA:
Special Provisions: A3, A72, A192
ERG Code 3L

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

European Union:

Regulation (EC) No. 1907/2006 (Annex II - (EC) No. 2020/878) and Regulation (EC) No. 1272/2008

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

Take note of Directive 94/33/EC on the protection of young people at work:
Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken

Authorizations and/or restrictions on use:
• This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -		3. 40.
Xylene (reaction product of xylene and ethylbenzene) -		3. 40. 75
Acetone 67-64-1		3 40
Propylene glycol monomethyl ether acetate 108-65-6		3. 40.
Hydrocarbons, C9, aromats -		3. 40.
Methyl ethyl ketone 78-93-3		3
Isopropyl alcohol		3

67-63-0		40
Isobutyl alcohol 78-83-1		3. 40. 75.
1-methoxy-2-propanol 107-98-2		3. 40.
n-Butyl acetate 123-86-4		3. 40. 75
Ethyl acetate 141-78-6		3 40
Methyl acetate 79-20-9		3. 40.
Ethyl alcohol 64-17-5		3. 40. 75.
Toluene 108-88-3		48. 75.
Isopropyl acetate 108-21-4		3. 40. 75.
1-Butanol 71-36-3		3. 40. 75
Cyclohexane 110-82-7		40. 57.
Methanol 67-56-1		69.
Ethyl (S)-2-hydroxypropionate 687-47-8		75.
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -		03. 40.
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -		28. 29.
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -		3. 40.

Persistent Organic Pollutants: Not applicable
(EC) 2019/1021

Dangerous substance category per Seveso Directive (2012/18/EU):
P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS

Named dangerous substances per Seveso Directive (2012/18/EU):

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Methanol 67-56-1	500	5000

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

Biocidal Products Regulation (EU) No 528/2012 (BPR):

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Isopropyl alcohol 67-63-0	1 - Human hygiene 2 - Disinfectants and algaecides not intended for direct application to humans or animals 4 - Food and feed area disinfectant

volatile organic compounds (VOC) content:
acc. reg. 2010/75/EC (20°C): 100 %
acc. reg. 2004/42/EC (Decopaint): 836 g/L

648/2004/ EU (DetVo):
≥ 15 - < 30% aliphatic hydrocarbons; ≥ 15 - < 30% aromatic hydrocarbons

National regulations:

Denmark:

Chemical name	Denmark - MAL
Acetone 67-64-1	23 m3/10 g substance MAL factor >0 % by weight [1]
Propylene glycol monomethyl ether acetate 108-65-6	19 m3/10 g substance MAL factor >0 % by weight [1]
Methyl ethyl ketone 78-93-3	48 m3/10 g substance MAL factor >0 % by weight [1]
Isopropyl alcohol 67-63-0	29 m3/10 g substance MAL factor >0 % by weight [1]
n-Butyl acetate 123-86-4	14 m3/10 g substance MAL factor >0 % by weight [1]
Ethyl acetate 141-78-6	13 m3/10 g substance MAL factor >0 % by weight [1]
Methyl acetate 79-20-9	23 m3/10 g substance MAL factor >0 % by weight [1]
Ethyl alcohol 64-17-5	7 m3/10 g substance MAL factor >0 % by weight [1]
Toluene 108-88-3	74 m3/10 g substance MAL factor >=10.0 % by weight [3]
Isopropyl acetate 108-21-4	17 m3/10 g substance MAL factor >0 % by weight [1]
Cyclohexane 110-82-7	13 m3/10 g substance MAL factor >0 % by weight [1]
Methanol 67-56-1	54 m3/10 g substance MAL factor >=1.0 - 20.0 % by weight [3] >=20.0 % by weight [6]

Germany:

Water hazard class (WGK): obviously hazardous to water (WGK 2) - Classification according to AwSV

Chemical name	WGK Classification (AwSV)	ID number
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	2	-
Xylene (reaction product of xylene and ethylbenzene) -	2	206
Acetone 67-64-1	1	6
Propylene glycol monomethyl ether acetate 108-65-6	1	5033
Hydrocarbons, C9, aromats -	2	775
Methyl ethyl ketone 78-93-3	1	150
Isopropyl alcohol 67-63-0	1	135
Isobutyl alcohol 78-83-1	1	131
1-methoxy-2-propanol 107-98-2	1	1597
n-Butyl acetate 123-86-4	1	42
Ethyl acetate 141-78-6	1	95
Methyl acetate 79-20-9	1	146
Ethyl alcohol 64-17-5	1	96
Toluene 108-88-3	3	194
Isopropyl acetate 108-21-4	1	136
1-Butanol 71-36-3	1	39
Cyclohexane 110-82-7	2	63
Methanol 67-56-1	2	145
Ethyl (S)-2-hydroxypropionate 687-47-8	1	2809
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	1	-
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	1	-
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) -	2	-

TA Luft (German Air Pollution Control Regulation):

org. substances (Ziffer 5.2.5): 95 - 100%
org. subst. (digit 5.2.5) class I: < 5%

Storage class (TRGS 510): LGK 3 - Flammable liquids

France:

Occupational Illnesses (R-463-3, France):

Chemical name	French RG number
Hydrocarbons, C6 - 7, n-alkanes, i-alkanes, cyclics, < 5% n-Hexane -	RG 84
Acetone 67-64-1	RG 84
Propylene glycol monomethyl ether acetate 108-65-6	RG 84
Hydrocarbons, C9, aromats -	RG 84
Methyl ethyl ketone 78-93-3	RG 84
Isopropyl alcohol 67-63-0	RG 84
Isobutyl alcohol 78-83-1	RG 84
1-methoxy-2-propanol 107-98-2	RG 84
n-Butyl acetate 123-86-4	RG 84
Ethyl acetate 141-78-6	RG 84
Methyl acetate 79-20-9	RG 84
Ethyl alcohol 64-17-5	RG 84
Toluene 108-88-3	RG 4bis,RG 84
Isopropyl acetate 108-21-4	RG 84
1-Butanol 71-36-3	RG 84
Cyclohexane 110-82-7	RG 84
Methanol 67-56-1	RG 84
Ethyl (S)-2-hydroxypropionate 687-47-8	RG 84
Hydrocarbons, C9 - 10, n.alkanes, i-alkanes, cyclics, < 2% aromates -	RG 84
Hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	RG 84

RG 4bis - Gastrointestinal conditions caused by benzene, toluene, xylenes, and any products containing them
RG 84 - Conditions caused by occupational use of liquid organic solvents

Netherlands:

Chemical name	Ethyl alcohol
Netherlands - List of Carcinogens	Present X
Netherlands - List of Reproductive Toxins	Fertility Category 1A Development Category 1A Can be harmful via breastfeeding

Chemical name	Toluene
Netherlands - List of Reproductive Toxins	Development Category 2

Water contaminating class (Netherlands): A3

Austria:

Flammable Liquids Regulations, VbF Flammable liquids Cat. 2

Poland:

Ordinance of the Minister of Family, Labor and Social Policy dated June 12, 2018 on the highest permissible concentrations and intensities of harmful factors for health in the work environment (Dz. U. 2018 item 1286, as amended)
Act of December 14, 2012 on waste (Journal of Laws of 2013, item 21; as amended)
Act on chemical substances and their mixtures of February 25, 2011. (Journal of Laws No. 63, item 322; as amended)
Regulation of the Minister of Labor and Social Policy of September 26, 1997 on general regulations of safety and hygiene at work (Dz. U. of 2003, No. 169, item 1650; as amended).

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 100 %

Hungary:

Decree No 44/2000 (XII.27.) of the Ministry of Economic Affairs and Labour of the Republic of Hungary on certain procedures and activities Joint Decree No. 5/2020 ITM on Chemical Safety at Work 178/2017 (VII. 5.)
Government Decree on the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) „A“ and „B“ of the European Agreement on Road Transport

International Inventories:

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Does not comply
KECL	Complies
PICCS	Complies
AICS	Does not comply
NZIoC	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
NZIoC - New Zealand Inventory of Chemicals
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
AICS - Australian Inventory of Chemical Substances

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:
EUH066 - Repeated exposure may cause skin dryness or cracking
H225 - Highly flammable liquid and vapor
H226 - Flammable liquid and vapor
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H311 - Toxic in contact with skin
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H370 - Causes damage to organs
H372 - Causes damage to organs through prolonged or repeated exposure
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend:
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: European agreement concerning the international carriage of dangerous goods by road
(Accord européen relatif transport des merchandises dangereuses par route)
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
BCF: Bio-Concentration Factor
BOD(5): Biochemical oxygen demand (within 5 days)
CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic, toxic for Reproduction
DIN: German Standards Institute / German industrial norm
DNEL: Derived No Effect Level
DOC: Dissolved organic carbon
EAK/ AVV: European waste catalogue/ waste directory-regulation
EC50: Effective Concentration 50%
ECHA: European Chemical Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
IC50: Inhibition Concentration 50%
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
MAK: Treshold limit values Germany
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OECD: Organization for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PC: Product category
PNEC: Predicted No Effect Concentration
REACh: Registration, Evaluation and Authorization of Chemicals
RID:Regulations concerning the international carriage of dangerous goods by rail
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
STP: Sewage treatment plant
SVHC: Substance of Very High Concern
TLV: Threshold Limit Value
TWA: Time Weighted Average
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent, very bioaccumulative

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Ceiling: Maximum limit value
* Skin designation

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 - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single 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:
European Chemicals Agency (ECHA)
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
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)
Japan GHS Classification
Australia 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)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Revision date: 22-Apr-2024
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