

# SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **Ansaugsystem, Drosselklappen- und Vergaser Reiniger**  
Creation date: 1.4.2020 · Revision: 29.7.2020 · Version: 1



## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

#### Product name

**Ansaugsystem, Drosselklappen- und Vergaser Reiniger**

#### Product code

72450

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

#### Relevant identified uses

Cleaning agent.

#### Uses advised against

No information.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

PETEC Verbindungstechnik GmbH  
Address: Wüstenbuch 16, 96132 Schlüsselfeld, Germany  
Phone: +49 (0) 9555 80994-0  
Fax: +49 (0) 9555 80994-25  
E-mail: info@petec.de

### 1.4. Emergency telephone number

#### Emergency

112

#### Supplier

+49 (0) 9555 80994-0

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 (CLP)

Aerosol 1; H222 Extremely flammable aerosol.  
Aerosol 1; H229 Pressurised container: May burst if heated.  
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.  
Skin Irrit. 2; H315 Causes skin irritation.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
Acute Tox. 4; H332 Harmful if inhaled.  
STOT SE 3; H335 May cause respiratory irritation.  
STOT SE 3; H336 May cause drowsiness or dizziness.  
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

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## 2.2 Label elements

### 2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: **Danger**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

EUH066 Repeated exposure may cause skin dryness or cracking.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P302 + P352 + P362 + P364 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

### 2.2.2. Contains:

acetone (CAS: 67-64-1, EC: 200-662-2, Index: 606-001-00-8)

reaction mass of ethylbenzene, m-xylene and p-xylene (EC: 905-562-9)

xylene (CAS: 1330-20-7, EC: 215-535-7, Index: 601-022-00-9)

aromatic hydrocarbons, C8 (EC: 905-570-2)

ethylbenzene (CAS: 100-41-4, EC: 202-849-4, Index: 601-023-00-4)

### 2.2.3. Special provisions

Special hazards are not known or expected.

## 2.3. Other hazards

Vapors can form an explosive mixture with air.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

For mixtures see 3.2.

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Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
acetone	67-64-1 200-662-2 606-001-00-8	25-50	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066		01-2119471330-49
reaction mass of ethylbenzene, m-xylene and p-xylene	- 905-562-9 -	<25	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373		01-2119555267-33
xylene [C]	1330-20-7 215-535-7 601-022-00-9	<25	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373 Aquatic Chronic 3; H412		01-2119488216-32
aromatic hydrocarbons, C8	- 905-570-2 -	<25	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332		01-2119486136-34
isobutane [C, S]	75-28-5 200-857-2 601-004-00-0	10-25	Flam. Gas 1; H220 Press. Gas; H280		01-2119485395-27
propane [U]	74-98-6 200-827-9 601-003-00-5	10-25	Flam. Gas 1; H220 Press. Gas; H280		01-2119486944-21
ethanol	64-17-5 200-578-6 603-002-00-5	2,5-10	Flam. Liq. 2; H225		01-2119457610-43
ethylbenzene	100-41-4 202-849-4 601-023-00-4	<10	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 (hearing organs)		-

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## Notes for substances:

<b>C</b>	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.  In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
<b>S</b>	This substance may not require a label according to Article 17 (see Section 1.3 of Annex I) (Table 3).
<b>U</b>	When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.) Press. Gas (Liq.) Press. Gas (Ref. Liq.) Press. Gas (Diss.) Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General notes

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.  
No action shall be taken involving any personal risk or without suitable training.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. Keep at rest in a position comfortable for breathing. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Seek medical help immediately. In case of unconsciousness bring patient into stable side position and seek medical attention.

#### Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed immediately with plenty of running water. If symptoms develop and persist, seek medical attention. Wash contaminated clothes and shoes before reuse.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

#### Following ingestion

Not likely. Accidental ingestion: Do not induce vomiting! Immediately consult a doctor. Show the physician the safety data sheet or label. Never give anything by mouth to an unconscious person.

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

#### Inhalation

Harmful.  
Vapours may cause drowsiness and dizziness.  
Can cause irritation of respiratory system.  
Coughing, sneezing, nasal discharge, labored breathing.

#### Skin contact

Irritating to the skin.  
Itching, redness, pain.  
Repeated exposure may cause dry skin or cracked skin.

#### Eye contact

Strongly irritates the eyes.  
Redness, tearing, pain.

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## Ingestion

Ingestion is unlikely because it is an aerosol.

Accidental ingestion:

May cause abdominal discomfort.

May cause nausea/vomiting and diarrhea.

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

May be fatal if swallowed and enters airways.

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

Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray.

Alcohol-resistant foam.

Fire extinguishing powder.

Carbon dioxide (CO<sub>2</sub>). Extinguish large fires with water spray or alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

Full water jet.

### 5.2. Special hazards arising from the substance or mixture

#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

#### Protective actions

In case of fire evacuate the area. In case of fire or heating do not breathe fumes/vapours. Vapours can form explosive mixtures with air. In case of fire aerosols can explode and be propelled to considerable distances in different directions. Cool containers at risk with water spray. If possible remove containers from endangered area. No action shall be taken involving any personal risk or without suitable training.

#### Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

##### **Emergency procedures**

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! No action shall be taken involving any personal risk or without suitable training. Prevent access to unauthorised personnel. Prevent access to unprotected personnel.

Avoid contact with skin and eyes. Do not breathe vapour or mist.

#### 6.1.2. For emergency responders

Use personal protective equipment.

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## 6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

## 6.3. Methods and material for containment and cleaning up

### 6.3.1. For containment

Stem the spill if this does not pose risks.

### 6.3.2. For cleaning up

Collect the spray cans and hand them over to an authorized waste disposal contractor. Release of liquid because of damaged aerosol can (release of large quantities): In case of bigger spill, dam the spillage, pump the liquid into appropriate labelled containers, absorb a residue with absorbent material and dispose of according to local regulations. Do not absorb spillage with sawdust or other combustible material. Dispose in accordance with applicable regulations (see Section 13). Clean residue from spill site.

### 6.3.3. Other information

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## 6.4. Reference to other sections

See also Sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

##### Measures to prevent fire

Ensure adequate ventilation. Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Use spark-proof tools. Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material.

##### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

##### Measures to protect the environment

Avoid release to the environment.

#### 7.1.2. Advice on general occupational hygiene

Consider measures required in Section 8 of this safety data sheet. Use personal protective equipment. Refer to instructions on label and regulations for safety and health at work. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Do not breathe vapours/mist.

### 7.2. Conditions for safe storage, including any incompatibilities

#### 7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Keep in well closed containers. Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from sources of ignition. Keep away from oxidising substances. Keep away from food, drink and animal feeding stuffs.

#### 7.2.2. Packaging materials

The original container of producer.

#### 7.2.3. Requirements for storage rooms and vessels

Do not store in unlabelled containers.

#### 7.2.4. Storage class

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#### 7.2.5. Further information on storage conditions

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## 7.3. Specific end use(s)

### Recommendations

-

### Industrial sector specific solutions

-

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Propan-2-ol (67-63-0)	400	999	500	1250		
Ethanol (64-17-5)	1000	1920				
Acetone (67-64-1)	500	1210	1500	3620		
2-Methylpropan-2-ol (75-65-0)	100	308	150	462		
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	50	220	100	441	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
Ethylbenzene (100-41-4)	100	441	125	552	Sk	

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

#### 8.1.3. DNEL/DMEL values

##### For components

Name	Type	Exposure route	Exposure frequency	Value	Remark
acetone (67-64-1)	Worker	dermal	long term (systemic effects)	186 mg/kg bw/day	
acetone (67-64-1)	Worker	inhalation	short term (local effects)	2420 mg/m <sup>3</sup>	
acetone (67-64-1)	Worker	inhalation	long term (systemic effects)	1210 mg/m <sup>3</sup>	
acetone (67-64-1)	Consumer	oral	long term (systemic effects)	62 mg/kg bw/day	
acetone (67-64-1)	Consumer	dermal	long term (systemic effects)	62 mg/kg bw/day	
acetone (67-64-1)	Consumer	inhalation	long term (systemic effects)	200 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Worker	inhalation	long term (systemic effects)	221 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Worker	inhalation	short term (systemic effects)	442 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Worker	inhalation	long term (local effects)	221 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Worker	inhalation	short term (local effects)	442 mg/m <sup>3</sup>	

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reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Worker	dermal	long term (systemic effects)	212 mg/kg bw/day	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Consumer	inhalation	long term (systemic effects)	65,3 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Consumer	inhalation	short term (systemic effects)	260 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Consumer	inhalation	long term (local effects)	65,3 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Consumer	inhalation	short term (local effects)	260 mg/m <sup>3</sup>	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Consumer	dermal	long term (systemic effects)	125 mg/kg bw/day	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	Consumer	oral	long term (systemic effects)	12,5 mg/kg bw/day	
xylene (1330-20-7)	Worker	inhalation	long term (systemic effects)	221 mg/m <sup>3</sup>	
xylene (1330-20-7)	Worker	inhalation	short term (systemic effects)	442 mg/m <sup>3</sup>	
xylene (1330-20-7)	Worker	inhalation	long term (local effects)	221 mg/m <sup>3</sup>	
xylene (1330-20-7)	Worker	inhalation	short term (local effects)	442 mg/m <sup>3</sup>	
xylene (1330-20-7)	Worker	dermal	long term (systemic effects)	212 mg/kg bw/day	
xylene (1330-20-7)	Consumer	inhalation	long term (systemic effects)	65,3 mg/m <sup>3</sup>	
xylene (1330-20-7)	Consumer	inhalation	short term (systemic effects)	260 mg/m <sup>3</sup>	
xylene (1330-20-7)	Consumer	inhalation	long term (local effects)	65,3 mg/m <sup>3</sup>	
xylene (1330-20-7)	Consumer	inhalation	short term (local effects)	260 mg/m <sup>3</sup>	
xylene (1330-20-7)	Consumer	dermal	long term (systemic effects)	125 mg/kg bw/day	
xylene (1330-20-7)	Consumer	oral	long term (systemic effects)	12,5 mg/kg bw/day	
aromatic hydrocarbons, C8 (-)	Worker	inhalation	long term (systemic effects)	221 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Worker	inhalation	short term (systemic effects)	442 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Worker	inhalation	long term (local effects)	221 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Worker	inhalation	short term (local effects)	442 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Worker	dermal	long term (systemic effects)	212 mg/kg bw/day	
aromatic hydrocarbons, C8 (-)	Consumer	inhalation	long term (systemic effects)	65,3 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Consumer	inhalation	short term (systemic effects)	260 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Consumer	inhalation	long term (local effects)	65,3 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Consumer	inhalation	short term (local effects)	260 mg/m <sup>3</sup>	
aromatic hydrocarbons, C8 (-)	Consumer	dermal	long term (systemic effects)	125 mg/kg bw/day	
aromatic hydrocarbons, C8 (-)	Consumer	oral	long term (systemic effects)	12,5 mg/kg bw/day	
ethanol (64-17-5)	Worker	inhalation	long term (systemic effects)	950 mg/m <sup>3</sup>	



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ethanol (64-17-5)	Worker	dermal	long term (systemic effects)	343 mg/kg bw/day	
ethanol (64-17-5)	Consumer	inhalation	long term (systemic effects)	114 mg/m <sup>3</sup>	
ethanol (64-17-5)	Consumer	dermal	long term (systemic effects)	206 mg/kg bw/day	
ethanol (64-17-5)	Consumer	oral	long term (systemic effects)	87 mg/kg bw/day	
ethylbenzene (100-41-4)	Worker	inhalation	long term (systemic effects)	77 mg/m <sup>3</sup>	
ethylbenzene (100-41-4)	Worker	inhalation	short term (local effects)	293 mg/m <sup>3</sup>	
ethylbenzene (100-41-4)	Consumer	dermal	long term (systemic effects)	180 mg/kg bw/day	
ethylbenzene (100-41-4)	Consumer	inhalation	long term (systemic effects)	15 mg/m <sup>3</sup>	
ethylbenzene (100-41-4)	Consumer	oral	long term (systemic effects)	1,6 mg/kg bw/day	

## 8.1.4. PNEC values

**For components**

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acetone (67-64-1)	marine water	1,06 mg/L	
acetone (67-64-1)	fresh water	10,6 mg/L	
acetone (67-64-1)	fresh water sediment	30,4 mg/kg	dry weight
acetone (67-64-1)	marine water sediment	3,04 mg/kg	dry weight
acetone (67-64-1)	soil	29,5 mg/kg	dry weight
acetone (67-64-1)	water treatment plant	100 mg/L	
acetone (67-64-1)	water, intermittent release	21 mg/L	fresh water
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	fresh water	0,327 mg/L	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	water, intermittent release	0,327 mg/L	fresh water
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	marine water	0,327 mg/L	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	water treatment plant	6,58 mg/L	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	fresh water sediment	12,46 mg/kg	dry weight
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	marine water sediment	12,46 mg/kg	dry weight
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	soil	2,31 mg/kg	dry weight
xylene (1330-20-7)	fresh water	0,327 mg/L	
xylene (1330-20-7)	water, intermittent release	0,327 mg/L	fresh water
xylene (1330-20-7)	marine water	0,327 mg/L	
xylene (1330-20-7)	water treatment plant	6,58 mg/L	
xylene (1330-20-7)	fresh water sediment	12,46 mg/kg	dry weight
xylene (1330-20-7)	marine water sediment	12,46 mg/kg	dry weight
xylene (1330-20-7)	soil	2,31 mg/kg	dry weight
aromatic hydrocarbons, C8 (-)	fresh water	0,327 mg/L	
aromatic hydrocarbons, C8 (-)	water, intermittent release	0,327 mg/L	fresh water
aromatic hydrocarbons, C8 (-)	marine water	0,327 mg/L	
aromatic hydrocarbons, C8 (-)	water treatment plant	6,58 mg/L	
aromatic hydrocarbons, C8 (-)	fresh water sediment	12,46 mg/kg	dry weight
aromatic hydrocarbons, C8 (-)	marine water sediment	12,46 mg/kg	dry weight
aromatic hydrocarbons, C8 (-)	soil	2,31 mg/kg	dry weight
ethanol (64-17-5)	fresh water	0,96 mg/L	
ethanol (64-17-5)	water, intermittent release	2,75 mg/L	fresh water
ethanol (64-17-5)	marine water	0,79 mg/L	
ethanol (64-17-5)	water treatment plant	580 mg/L	
ethanol (64-17-5)	fresh water sediment	3,6 mg/kg	dry weight
ethanol (64-17-5)	marine water sediment	2,9 mg/kg	dry weight
ethanol (64-17-5)	soil	0,63 mg/kg	dry weight
ethanol (64-17-5)	food chain	380 mg/kg feed	oral
ethylbenzene (100-41-4)	fresh water	0,1 mg/L	
ethylbenzene (100-41-4)	water, intermittent release	0,1 mg/L	fresh water
ethylbenzene (100-41-4)	marine water	0,01 mg/L	
ethylbenzene (100-41-4)	water treatment plant	9,6 mg/L	
ethylbenzene (100-41-4)	fresh water sediment	13,7 mg/kg	dry weight
ethylbenzene (100-41-4)	marine water sediment	1,37 mg/kg	dry weight
ethylbenzene (100-41-4)	soil	2,68 mg/kg	dry weight
ethylbenzene (100-41-4)	food chain	20 mg/kg feed	oral

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## 8.2. Exposure controls

### 8.2.1. Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Do not breathe vapours/aerosols. Keep away from foodstuffs, beverages and feed. Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation.

#### Organisational measures to prevent exposure

If this product contains ingredients with exposure limits, personal, workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protection.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

### 8.2.2. Personal protective equipment

#### Eye and face protection

Safety glasses with side protection (EN 166).

#### Hand protection

Protective gloves (EN 374).

#### Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. If the concentration limit values are exceeded, it is necessary to wear appropriate respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

#### Thermal hazards

-

### 8.2.3. Environmental exposure controls

#### Technical measures to prevent exposure

Prevent exposure in the environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

-	<b>Physical state:</b>	liquid; aerosol
-	<b>Colour:</b>	colourless
-	<b>Odour:</b>	characteristic

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## Important health, safety and environmental information

-	<b>pH</b>	No information.
-	<b>Melting point/freezing point</b>	No information.
-	<b>Initial boiling point/boiling range</b>	No information.
-	<b>Flash point</b>	No information.
-	<b>Evaporation rate</b>	No information.
-	<b>Flammability (solid, gas)</b>	No information.
-	<b>Explosion limits (vol%)</b>	1,5 – 10,9 vol % (propellant) 2,1 – 13 vol % (acetone)
-	<b>Vapour pressure</b>	8 hPa at 20 °C
-	<b>Vapour density</b>	No information.
-	<b>Density</b>	<b>Density:</b> 0,824 kg/L at 20 °C (data refers to the liquid portion of the product)
-	<b>Solubility</b>	No information.
-	<b>Partition coefficient</b>	No information.
-	<b>Auto-ignition temperature</b>	No information.
-	<b>Decomposition temperature</b>	No information.
-	<b>Viscosity</b>	No information.
-	<b>Explosive properties</b>	No information.
-	<b>Oxidising properties</b>	No information.

### 9.2. Other information

-	<b>Weight organic solvents</b>	702 g/l (VOC) 100 % (VOC)
-	<b>Remarks:</b>	

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3. Possibility of hazardous reactions

The product is stable under recommended storage and handling conditions.

### 10.4. Conditions to avoid

Avoid all possible sources of ignition (spark or flame). Do not expose to heat and direct sunlight.

### 10.5. Incompatible materials

Strong acids. Alkali metal. Strong reducing agents. Halogenated compounds.  
Oxidants. Ethanolamine.  
Peroxide. Attacks many plastics and rubbers.

### 10.6. Hazardous decomposition products

In case of fire/explosion vapours/gases that pose a health hazard are released.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### (a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
acetone (67-64-1)	inhalation	LC <sub>50</sub>	rat	4 h	76 mg/l		
acetone (67-64-1)	dermal	LD <sub>50</sub>	rabbit		> 15800 mg/kg		
acetone (67-64-1)	oral	LD <sub>50</sub>	rat		5800 mg/kg	OECD 401	
xylene (1330-20-7)	oral	LD <sub>50</sub>			2000 – 5000 mg/kg		
xylene (1330-20-7)	inhalation	LC <sub>50</sub>			10 – 20 mg/l		
aromatic hydrocarbons, C8 (-)	oral	LD <sub>50</sub>	rat		3523 mg/kg		
aromatic hydrocarbons, C8 (-)	inhalation	-					Harmful if inhaled.
aromatic hydrocarbons, C8 (-)	dermal	-					Harmful in contact with skin.
ethanol (64-17-5)	dermal	LD <sub>50</sub>	rabbit		> 20000 mg/kg		
ethanol (64-17-5)	oral	LD <sub>50</sub>	rat		6200 mg/kg		

**Additional information:** Harmful if inhaled.

#### (b) Skin corrosion/irritation

Name	Species	Time	Result	Method	Remark
acetone (67-64-1)	guinea pig		Non-irritant.		

**Additional information:** Causes skin irritation.

#### (c) Serious eye damage/irritation

Name	Species	Time	Result	Method	Remark
acetone (67-64-1)	rabbit		Irritating to eyes.	OECD 405	
acetone (67-64-1)	rabbit		Irritates the eyes. The occurrence of corneal injuries is possible.	OECD 405	

**Additional information:** Causes serious eye irritation.

#### (d) Respiratory or skin sensitisation

Name	Exposure route	Species	Time	Result	Method	Remark
acetone (67-64-1)	-	guinea pig		Non sensitising.	OECD 406	

**Additional information:** The product is not classified as sensitising.

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## (e) (Germ cell) mutagenicity

Name	Type	Species	Time	Result	Method	Remark
acetone (67-64-1)		Bacteria		The tests did not show mutagenic effects		
acetone (67-64-1)		Cell: Mammalian-Animal		The tests did not show mutagenic effects		
acetone (67-64-1)	in-vitro mutagenicity			Negative.	OECD 473	Chromosome aberration assay
acetone (67-64-1)	in-vitro mutagenicity	Cell: Mammalian-Animal		Negative.	OECD 476	
acetone (67-64-1)	in-vitro mutagenicity	Bacteria		Negative.	OECD 471	
acetone (67-64-1)	in-vivo mutagenicity	mouse		Negative.	The micronucleus test	
xylene (1330-20-7)				Not mutagenic.		
aromatic hydrocarbons, C8 (-)	in-vivo mutagenicity			Negative.		
aromatic hydrocarbons, C8 (-)	in-vitro mutagenicity			Negative.		

## (f) Carcinogenicity

Name	Exposure route	Type	Species	Time	Value	Result	Method	Remark
acetone (67-64-1)						Animal testing did not show any carcinogenic effects.		
acetone (67-64-1)	dermal		mouse			negative		
xylene (1330-20-7)						Limited evidence of carcinogenicity in animal studies.		
aromatic hydrocarbons, C8 (-)						Substance is not classified as carcinogenic.		

## (g) Reproductive toxicity

Name	Reproductive toxicity type	Type	Species	Time	Value	Result	Method	Remark
acetone (67-64-1)	Reproductive toxicity					Animal testing did not show any effects on fertility.		
acetone (67-64-1)	Teratogenicity		rat			Negative.	OECD 414	
xylene (1330-20-7)	Teratogenicity	-				not teratogenic		
xylene (1330-20-7)	Reproductive toxicity					Not toxic for reproduction.		
aromatic hydrocarbons, C8 (-)	Reproductive toxicity					Animal testing did not show any effects on fertility.		

## Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

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## (h) STOT-single exposure

Name	Exposure route	Type	Species	Time	Organ	Value	Result	Method	Remark
acetone (67-64-1)	-	-					May cause drowsiness or dizziness.		
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	inhalation	-					May cause respiratory irritation.		
xylene (1330-20-7)	inhalation	-					May cause respiratory irritation.		
aromatic hydrocarbons, C8 (-)	oral	-					May cause irritation of the digestive tract.		
aromatic hydrocarbons, C8 (-)	oral	-					May cause nausea/vomiting and diarrhea		
aromatic hydrocarbons, C8 (-)	inhalation	-					May cause respiratory irritation.		high vapours concentrations

**Additional information:** May cause respiratory irritation. May cause drowsiness or dizziness.

## (i) STOT-repeated exposure

Name	Exposure route	Type	Species	Time	Organ	Value	Result	Method	Remark
acetone (67-64-1)	dermal	-					Repeated exposure may cause dry and cracked skin.		
acetone (67-64-1)	Repeated dose toxicity	NOAEL	rat	90 days	oral				
acetone (67-64-1)	Repeated dose toxicity	NOAEC	rat			22500 mg/m <sup>3</sup>			inhalation
acetone (67-64-1)	inhalation	-	human				Headache, dizziness, fatigue, nausea and vomiting.		excessive exposure to vapors
acetone (67-64-1)	dermal	-	human				Repeated or prolonged exposure may cause dermatitis.		
acetone (67-64-1)	inhalation	-	human		Nasal inner lining		Symptoms: inflammation of the mucous membranes.		
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	-	-					May cause damage to organs through prolonged or repeated exposure.		
xylene (1330-20-7)	-	-					May cause damage to organs through prolonged or repeated exposure.		

**Additional information:** May cause damage to organs through prolonged or repeated exposure. Repeated exposure may cause skin dryness or cracking.

## (j) Aspiration hazard

**Additional information:** May be fatal if swallowed and enters airways.

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## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
acetone (67-64-1)	LC <sub>50</sub>	5540 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	LC <sub>50</sub>	11000 mg/L	96 h	fish	<i>Alburnus alburnus</i>		
	LC <sub>50</sub>	8800 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	NOEC	430 mg/L	96 h	algae			
	-	1000 mg/L	30 min	bacteria	Activated sludge	OECD 209	
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	LC <sub>50</sub>	> 1,3 mg/L		fish			
xylene (1330-20-7)	IC <sub>50</sub>	2,2 mg/L	72 h	algae			
	EC <sub>50</sub>	1 mg/L	48 h	aquatic invertebrates	<i>Daphnia magna</i>		
	LC <sub>50</sub>	26,7 mg/L	96 h	fish	<i>Pimephales promelas</i>		
	LC <sub>50</sub>	16,9 mg/L	96 h	fish	<i>Carassius auratus</i>		
	LC <sub>50</sub>	20,9 mg/L	96 h	fish	<i>Lepomis macrochirus</i>		
	LC <sub>50</sub>	34,7 mg/L	96 h	fish	<i>Poecilia reticulata</i>		
aromatic hydrocarbons, C8 (-)	LC <sub>50</sub>	2,6 mg/L	96 h	fish			
	EC <sub>50</sub>	1 mg/L	48 h	aquatic invertebrates	<i>Daphnia magna</i>		
	LC <sub>50</sub>	2,2 mg/L	72 h	algae			
ethanol (64-17-5)	LC <sub>50</sub>	8140 mg/L	48 h	fish			
	EC <sub>50</sub>	9268 – 14221 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	EC5	65 mg/L	72 h	bacteria			

#### 12.1.2. Chronic (long-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
acetone (67-64-1)	NOEC	2212 mg/l	28 days	crustacea	<i>Daphnia pulex</i>		reproduction
xylene (1330-20-7)	NOEC	> 1,3 mg/l	56 days	fish			
	NOEC	0,96 mg/l	7 days	aquatic invertebrates	<i>Daphnia</i>		
ethanol (64-17-5)	IC5	5000 mg/l	7 days	algae			



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## 12.2. Persistence and degradability

### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

#### For components

Substance (CAS Nr.)	Environment	Type / Method	Half Time	Evaluation	Method	Remark
acetone (67-64-1)	water			Degraded by hydrolysis.		
xylene (1330-20-7)	Air	photodegradation		In the air it is quickly oxidized by photochemical reaction.		

### 12.2.2. Biodegradation

#### For components

Substance (CAS Nr.)	Type	Rate	Time	Evaluation	Method	Remark
acetone (67-64-1)	biodegradability	91 %	28 days	readily biodegradable	OECD 301 B	
acetone (67-64-1)	BOD	1900 mg/g	5 days			
acetone (67-64-1)	COD	2100 mg/g				
reaction mass of ethylbenzene, m-xylene and p-xylene (-)	BOD	57 – 80 g O <sub>2</sub> /g				
xylene (1330-20-7)	biodegradability			readily biodegradable		
aromatic hydrocarbons, C8 (-)	aerobic			inherently biodegradable		
aromatic hydrocarbons, C8 (-)	anaerobic			biodegradable		
ethanol (64-17-5)	BOD (% ThOD)	84 % ThOD	20 days			
ethanol (64-17-5)	ThOD	2,1 mg/mg				
ethanol (64-17-5)	COD	1,99 mg/mg				

## 12.3. Bioaccumulative potential

### 12.3.1. Partition coefficient

#### For components

Substance (CAS Nr.)	Media	Value	Temperature	pH	Concentration	Method
acetone (67-64-1)	Log Pow	-0,24				
aromatic hydrocarbons, C8 (-)	Log Pow	> 3				
ethanol (64-17-5)	Log Pow	0,3				

### 12.3.2. Bioconcentration factor (BCF)

#### For components

Substance (CAS Nr.)	species	Organism	Value	Duration	Evaluation	Method	Remark
acetone (67-64-1)	BCF		< 10				
xylene (1330-20-7)	BCF		25,9		Low bioaccumulation potential.		
aromatic hydrocarbons, C8 (-)	BCF		25,9				

## 12.4. Mobility in soil

### 12.4.1. Known or predicted distribution to environmental compartments

#### For components

Substance (CAS Nr.)	Air	Water	Soil	Sediment	(Aquatic) Biota	Method	Remark
xylene (1330-20-7)							Low mobility in the soil.

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## 12.4.2. Surface tension

No information.

## 12.4.3. Adsorption/Desorption

No information.

## 12.5. Results of PBT and vPvB assessment

No evaluation.

## 12.6. Other adverse effects

No information.

## 12.7. Additional information

### For product

Product is not classified as dangerous for environment.

Water hazard class 2 (self-assessment): hazardous for water.

Handle in accordance with good working practices so that the product is not released into the environment.

### For components

#### Substance: acetone

Does not bioaccumulate.

The substance is highly volatile.

This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

Avoid release to the environment.

#### Substance: reaction mass of ethylbenzene, m-xylene and p-xylene

Bioaccumulation is not expected.

Very mobile in soil.

#### Substance: xylene

Evaporates quickly.

Partly soluble in water.

Floating on the water.

It absorbs into soil.

Do not allow to reach ground water, water bodies or sewage systems.

#### Substance: aromatic hydrocarbons, C8

Air: Evaporates quickly.

Not soluble in water.

Floating on the water.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

##### Waste chemical

Avoid release to the environment. Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Product and container must be disposed of safely.

##### Waste codes / waste designations according to LoW

16 05 04\* - gases in pressure containers (including halons) containing dangerous substances

##### Packaging

Uncleaned containers should not be perforated, cut or welded. Pressurized container. Do not pierce or burn, even after use.

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities.

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## Waste codes / waste designations according to LoW

15 01 11\* - metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

### 13.1.2. Waste treatment-relevant information

-

### 13.1.3. Sewage disposal-relevant information

-

### 13.1.4. Other disposal recommendations

-

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

UN 1950

### 14.2. UN proper shipping name

AEROSOLS

### 14.3. Transport hazard class(es)

2

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

NO.

### 14.6. Special precautions for user

#### Limited quantities

1 L

#### Tunnel restriction code

(D)

#### IMDG EmS

F-D, S-U

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or vehicles.



## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

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## 15.1.2. Ingredients according to Regulation EC 648/2004 on detergents

15% - <30%: aromatic hydrocarbons; ≥ 30%: aliphatic hydrocarbons

## **15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## **SECTION 16. OTHER INFORMATION**

### Indication of changes

-

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC<sub>50</sub> - Lethal Concentration to 50 % of a test population  
LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit

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OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

## Key literature references and sources for data

-

## List of relevant H phrases

H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure .  
H412 Harmful to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.