

# ULTRIMAX STANDARD THINNERS

HEALTH AND SAFETY DATA SHEET  
Revised 16/5/2024 Revision No. 11

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## 1. PRODUCT AND COMPANY IDENTIFICATION

1.01 Product Code	Ultrimax Standard Thinners
1.02 Manufacturer/Supplier	Ultrimax Coatings Ltd
1.03 Address	Shaw Lane Industrial Estate, Ogden Road, Doncaster, DN2 4SE
1.04 Contact	www.ultrimaxstore.com
1.05 Phone Number	01302 856666
1.06 Email	sales@ultrimaxcoatings.co.uk
1.7 Emergency Phone Number	01302 856666

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards

Flam. Liq. 2 - H225

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361fd STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304

Environmental hazards

Aquatic Chronic 2 - H411

### 2.2. Label elements



Signal words:

Danger

Hazard statements:

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241 Use explosion-proof electrical equipment.  
P260 Do not breathe vapour/ spray.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P308+P313 IF exposed or concerned: Get medical advice/ attention.  
P233 Keep container tightly closed.

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## 2. HAZARDS IDENTIFICATION

Contains:	TOLUENE, HEPTANE, CYCLOHEXANE, HEXANE-norm, PROPAN-1-OL, PROPAN-2-OL, BUTANOL-norm, BUTAN-2-OL, ACETONE, BUTANONE, METHYL ACETATE, ETHYL ACETATE, PROPYL ACETATE, BUTYL ACETATE -norm
Supplementary precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P240 Ground/ bond container and receiving equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. P331 Do NOT induce vomiting. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>TOLUENE</b>	<b>5-10%</b>	
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51-XXXX
<b>Classification</b>	<b>Classification (GHS/CLP/REACH)</b>	
<b>Flam. Liq. 2 - H225</b>	<b>F+; R11 Repr. Cat. 3; R53 Xi; R410/21, R51 Xi; R38 R57</b>	
<b>Skin Irrit. 2 - H315</b>		
<b>Repr. 2 - H361d</b>		
<b>STOT SE 3 - H336</b>		
<b>STOT RE 2 - H373</b>		
<b>Asp. Tox. 1 - H304</b>		

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>PROPAN-1-OL</b> CAS number: 71-23-8	EC number: 200-746-9	REACH registration number: 01-2119486761-29-XXXX	<5%
<b>Classification</b> Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT SE 3 - H336	<b>Classification (GHS/CLP/EC) or (GHS/CLP/EC)</b> F;R11 Xi;R41 R67		
<b>METHYL ACETATE</b> CAS number: 79-20-9	EC number: 201-185-2	REACH registration number: 01-2119459211-47-XXXX	<5%
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (GHS/CLP/EC) or (GHS/CLP/EC)</b> F;R11 Xi;R36 R66 R67		
<b>XYLENE</b> CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-XXXX	<5%
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	<b>Classification (GHS/CLP/EC) or (GHS/CLP/EC)</b> R10 Xn;R20/21 Xi;R38		
<b>BUTANONE</b> CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43-XXXX	<5%
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (GHS/CLP/EC) or (GHS/CLP/EC)</b> F;R11 Xi;R36 R66 R67		

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>PROPYL ACETATE</b> CAS number: 109-60-4 EC number: 203-686-1 REACH registration number: 01-2119484620-39-XXXX	<5%
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (GHS/CLP/EC or 1993/105/EEC)</b> F;R11 Xi;R36 R56 R67
<b>ISOBUTYL METHYL KETONE (MIBK)</b> CAS number: 108-10-1 EC number: 203-550-1 REACH registration number: 01-2119473980-30-XXXX	<5%
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 3 - H335	<b>Classification (GHS/CLP/EC or 1993/105/EEC)</b> F;R11 Xi;R20 Xi;R36/37 R56
<b>ETHYL ACETATE</b> CAS number: 141-78-6 EC number: 205-500-4 REACH registration number: 01-2119475103-46-XXXX	<5%
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (GHS/CLP/EC or 1993/105/EEC)</b> F;R11 Xi;R36 R56 R67
<b>BUTAN-2-OL</b> CAS number: 78-92-2 EC number: 201-158-5	<5%
<b>Classification</b> Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 STOT SE 3 - H335, H336	

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>METHANOL</b>			<b>&lt;5%</b>
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44-XXXX	
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		<b>Classification (GHS/GH/EC or 1989/45/EC)</b> F;R11 T;R23/24/25, R39/23/24/25	
<b>PROPAN-2-OL</b>			<b>&lt;5%</b>
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336			
<b>HEXANE-norm</b>			<b>&lt;5%</b>
CAS number: 110-54-3	EC number: 203-777-6	REACH registration number: TB252081-55 Pre-Registration Number	
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361F STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		<b>Classification (GHS/GH/EC or 1989/45/EC)</b> F;R11 Repr. Cat. 3;R62 Xn;R44/21, R65 Xi;R38 R67 N;R51/53	

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>HEPTANE</b> <span style="float: right;">&lt;5%</span>		
CAS number: 142-82-5	EC number: 205-563-8	REACH registration number: 01-2119457603-38-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (GHS/CLP/EC or 1989/609/EC)</b> F; R11 Xn; R65 X; R38 R67 N; R50/53	
<b>ETHYLBENZENE</b> <span style="float: right;">&lt;5%</span>		
CAS number: 100-41-4	EC number: 202-849-4	
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332		
<b>CYCLOHEXANE</b> <span style="float: right;">&lt;5%</span>		
CAS number: 110-82-7	EC number: 203-806-2	REACH registration number: 01-2119463273-41-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>BUTYL ACETATE -norm</b> <span style="float: right;">&lt;5%</span>		
CAS number: 123-86-4	EC number: 204-658-1	REACH registration number: 01-2119485493-29-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336		<b>Classification (GHS/CLP/EC or 1993/61/EEC)</b> R10 R66 R67
<b>ACETONE</b> <span style="float: right;">&lt;5%</span>		
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		<b>Classification (GHS/CLP/EC or 1993/61/EEC)</b> F+R11 Xi;R36 R66 R67
<b>BUTANOL-norm</b> <span style="float: right;">&lt;5%</span>		
CAS number: 71-36-3	EC number: 200-751-6	REACH registration number: 01-2119484630-38-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336		<b>Classification (GHS/CLP/EC or 1993/61/EEC)</b> R10 Xn;R22 Xi;R37/38,R41 R67
<b>ETHANOL</b> <span style="float: right;">&lt;5%</span>		
CAS number: 64-17-5	EC number: 200-578-6	
<b>Classification</b> Flam. Liq. 2 - H225		

## 4. FIRST AID MEASURES SYMPTONS

### 4.1. Description of first aid measures

Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. If inhaled remove person to fresh air and keep comfortable for breathing.
Ingestion	Do not induce vomiting. If conscious give 500ml of water to drink immediately, wash out mouth with water. Consult a doctor.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash skin thoroughly with soap and water. If irritation occurs get medical advice/attention.
Eye contact	If in eyes rinse cautiously with water for several minutes. Remove contact lenses,

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

Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.
Ingestion	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Skin contact	There may be irritation and redness at the site of contact.
Eye contact	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

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

Notes for the doctor	If exposed or concerned get medical advice/attention.
Specific treatments	Eye bathing equipment should be available on the premises.

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Water Spray may be used to keep fire exposed containers cool
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### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
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### 5.3. Advice for fire-fighters

Special protective equipment for firefighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
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## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions:**

Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Take precautionary measures against static discharge.

### 6.2. Environmental precautions

**Environmental precautions:**

Do not discharge into drains or watercourses or onto the ground. Contain the spillage using bunding. Avoid release to the environment.

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

**Methods for cleaning up:**

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Use only non-sparking tools.

### 6.4. Reference to other sections

**Reference to other sections:**

For personal protection, see Section 8.

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## 7. HANDLING & STORAGE

### 7.1. Precautions for safe handling

**Usage precautions:**

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation of mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical/ventilating/lighting. Do not breathe mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Use only non-sparking tools.

**Advice on general occupational hygiene**

Take off contaminated clothing and wash it before re-use.

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

**Storage precautions**

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class**

Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s):**

No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits

##### TOLUENE

Long-term exposure limit (8-hour TWA):  $\text{mg/m}^3(\text{Sk}) \setminus \text{ppm}(\text{Sk})$  1  $\text{mg/m}^3(\text{Sk})$

Short-term exposure limit (15-minute):  $\text{mg/m}^3(\text{Sk}) < 0 \text{ ppm}(\text{Sk})$  4  $\text{mg/m}^3(\text{Sk})$

##### PROPAN-1-OL

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 500  $\text{mg/m}^3(\text{Sk})$

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 625  $\text{mg/m}^3(\text{Sk})$

##### METHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 616  $\text{mg/m}^3$

Short-term exposure limit (15-minute): WEL 250 ppm 770  $\text{mg/m}^3$

##### XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220  $\text{mg/m}^3(\text{Sk})$

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441  $\text{mg/m}^3(\text{Sk})$

##### BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600  $\text{mg/m}^3(\text{Sk})$

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899  $\text{mg/m}^3(\text{Sk})$

##### PROPYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 849  $\text{mg/m}^3$

Short-term exposure limit (15-minute): WEL 250 ppm 1060  $\text{mg/m}^3$

##### ISOBUTYL METHYL KETONE (MIBK)

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 208  $\text{mg/m}^3(\text{Sk})$

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 416  $\text{mg/m}^3(\text{Sk})$

##### ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

##### BUTAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 308  $\text{mg/m}^3$

Short-term exposure limit (15-minute): WEL 150 ppm 462  $\text{mg/m}^3$

##### METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266  $\text{mg/m}^3(\text{Sk})$

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333  $\text{mg/m}^3(\text{Sk})$

##### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999  $\text{mg/m}^3$

Short-term exposure limit (15-minute): WEL 500 ppm 1250  $\text{mg/m}^3$

##### HEXANE-norm

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72  $\text{mg/m}^3$

Short-term exposure limit (15-minute): WEL

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits

##### HEPTANE

Long-term exposure limit (8-hour TWA): WEL 500 ppm

Short-term exposure limit (15-minute): WEL

##### ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m<sup>3</sup>(Sk)

##### CYCLOHEXANE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m<sup>3</sup>

##### BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m<sup>3</sup>

##### ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

##### BUTANOL-norm

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 154 mg/m<sup>3</sup>(Sk)

##### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

##### TETRAHYDROFURAN

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 150 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 300 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

DNEL No data available.

PNEC No data available.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.2. Exposure controls

#### Protective equipment

#### Appropriate engineering controls

Ensure there is sufficient ventilation of the area. Use explosion-proof electrical/ventilating/lighting. Take precautionary measures against static discharge.

#### Eye/face protection

Tightly fitting safety goggles. Ensure eye bath is to hand.

#### Hand protection

Wear protective gloves.

#### Other skin and body protection

Wear protective clothing. Take precautionary measures against static discharge.

#### Respiratory protection

Self-contained breathing apparatus must be available in case of emergency.

#### Environmental exposure controls

Prevent from entering in public sewers or the immediate environment.

## 9. PHYSICAL & CHEMICAL PROPERTIES

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

Appearance	Coloured liquid.	Vapour pressure	<110 kPa @ 20°C
Odour	Unpleasant.	Vapour density	Data lacking.
Odour threshold	Data lacking.	Relative density	0.8 - 0.9 @ 20°C
pH	Data lacking.	Bulk density	Data lacking.
Melting point	Data lacking.	Solubility(ies)	Data lacking.
Initial boiling point and range	55 - 160°C @ 760 mm Hg	Partition coefficient	Data lacking.
Flash point	< 21°C	Auto-ignition temperature	>203°C
Evaporation rate	Data lacking.	Decomposition Temperature	Data lacking.
Evaporation factor	Data lacking.	Viscosity	Non-viscous
Flammability (solid, gas)	Data lacking.	Explosive properties	Data lacking.
Upper/lower flammability or explosive limits	Data lacking.	Explosive under the influence of a flame	Not considered to be explosive.
Other flammability	Data lacking.	Oxidising properties	Not available.

### 9.2. Other information

Other information Not available.

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## 10. STABILITY & REACTIVITY

### 10.1. Reactivity

Reactivity Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Stability Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid Avoid heat.

### 10.5. Incompatible materials

Materials to avoid Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

ATE dermal (mg/kg) 4,810.5

Inhalation There may be irritation of the throat with a feeling of tightness in the chest.  
Ingestion There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.  
Skin contact There may be irritation or redness at the site of contact.  
Eye contact There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

#### Toxicological information on ingredients.

#### TOLUENE

Toxicological effects This product is toxic.  
Inhalation Harmful if inhaled  
Ingestion Very toxic if swallowed.  
Skin contact May be harmful if absorbed through the skin.  
Eye contact Risk of serious damage to eyes.  
Acute and chronic health hazards May cause damage to the liver and kidneys.  
Route of entry Inhalation Ingestion. Skin and/or eye contact  
Target organs Liver Kidneys Respiratory system, lungs Central nervous system  
Medical symptoms Difficulty in breathing. Drowsiness, dizziness, disorientation, vertigo. Unconsciousness, possibly death.  
Medical considerations Pre Existing Respiratory Disorders and Lung Diseases.

## 11. TOXICOLOGICAL INFORMATION

### PROPAN-1-OL

Toxicological effects No evidence of carcinogenic mutagenic or teratogenic effects

### METHYL ACETATE

Inhalation Vapour may irritate respiratory system/lungs. Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness. May cause an asthma-like shortness of breath.

Ingestion May cause stomach pain or vomiting. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact Product has a defatting effect on skin.

Eye contact Severe irritation, burning and tearing.

Acute and chronic health hazards This product may cause skin and eye irritation. Prolonged inhalation of high concentrations may damage respiratory system. Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Route of entry Inhalation Skin absorption Ingestion.

Target organs Central nervous system Eyes Respiratory system, lungs

Medical symptoms Severe irritation, burning and tearing. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

Medical considerations Pre-existing eye problems. Pre Existing Respiratory Disorders and Lung Diseases.

### XYLENE

Acute and chronic health hazards This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Toxic through skin absorption (percutaneous). A single exposure may cause the following adverse effects: Central nervous system depression. Anaesthetic in high concentrations. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness. Death.

Route of entry Inhalation Skin absorption Ingestion. Skin and/or eye contact

Target organs Blood Central nervous system Eyes Gastro-intestinal tract Kidneys Liver Respiratory system, lungs Skin

Medical symptoms Severe irritation, burning and tearing. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Severe skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioural changes.

Medical considerations Hypotension (low blood pressure). Dizziness. Skin disorders and allergies. Convulsions. Central nervous system depression.

## 11. TOXICOLOGICAL INFORMATION

### BUTANONE

Inhalation	Vapour from this product may be hazardous by inhalation.
Ingestion	May cause severe internal injury.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema.
Eye contact	May cause severe eye irritation.
Route of entry	Inhalation Ingestion. Skin absorption Skin and/or eye contact
Medical symptoms	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Unconsciousness.
Medical considerations	Chronic respiratory and obstructive airway diseases. Pre-existing eye problems. Skin disorders and allergies.

### PROPYL ACETATE

Toxicological effects No evidence of carcinogenic mutagenic or teratogenic effects

### ISOBUTYL METHYL KETONE (MIBK)

Toxicological effects	No evidence of carcinogenic mutagenic or teratogenic effects
Acute and chronic health hazards	Gas or vapour is harmful on prolonged exposure or in high concentrations. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. A single exposure may cause the following adverse effects: Central nervous system depression. Repeated exposure may cause chronic eye irritation. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness. Death.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Respiratory system, lungs Skin
Medical symptoms	Severe irritation, burning and tearing. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Severe skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioural changes. Hypotension (low blood pressure). Dizziness.
Medical considerations	Skin disorders and allergies. Convulsions. Central nervous system depression.

## 11. TOXICOLOGICAL INFORMATION

### ETHYL ACETATE

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Vapours may irritate throat/respiratory system. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Excessive inhalation of vapours can cause respiratory irritation, headache, drowsiness and fatigue.
Ingestion	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	Product has a defatting effect on skin. Irritating to skin.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Irritating to skin. Irritating to eyes. May cause respiratory system irritation. May cause severe internal injury. May cause damage to the liver and kidneys. Route of entry Inhalation Skin absorption Ingestion. Skin and/or eye contact Target organs Liver Kidneys Mucous membranes Gastro-intestinal tract Medical symptoms Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Difficulty in breathing. Gastrointestinal symptoms, including upset stomach. Severe headache. Unconsciousness.
Medical considerations	Liver and/or kidney damage. Skin disorders and allergies. Pre-existing eye problems.

### METHANOL

Acute and chronic health hazards	Gas or vapour is harmful on prolonged exposure or in high concentrations. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Toxic through skin absorption (percutaneous). Narcotic effect. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Gastro-intestinal tract Heart & cardiovascular system Skin
Medical symptoms	Severe irritation, burning and tearing. Visual disturbances, including blurred vision. Respiratory failure. Death. Severe skin irritation. Nausea, vomiting. Headache. Behavioural changes. Tremors, convulsions.
Medical considerations	Skin disorders and allergies.



## 11. TOXICOLOGICAL INFORMATION

### PROPAN-2-OL

Other health effects	Consolidated carcinogen list.
Inhalation	Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.
Ingestion	Swallowing concentrated chemical may cause severe internal injury.
Skin contact	Contains components which may penetrate the skin. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Irritation of eyes and mucous membranes.
Acute and chronic health hazards	Exposure; This chemical has good warning properties. Gas or vapour is harmful on prolonged exposure or in high concentrations. Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. A single exposure may cause the following adverse effects: Central nervous system depression. May cause chemical eye burns. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness. Death.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Respiratory system, lungs Skin
Medical symptoms	Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioural changes. Hypotension (low blood pressure). Dizziness.
Medical considerations	Convulsions. Central nervous system depression.

### HEXANE-norm

Inhalation	Vapours may irritate throat/respiratory system. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.
Ingestion	Harmful: possible risk of irreversible effects if swallowed.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema.
Eye contact	May cause severe eye irritation.
Acute and chronic health hazards	May cause unconsciousness, blindness and possibly death.
Route of entry	Inhalation Ingestion.
Target organs	Central nervous system Eyes
Medical symptoms	Irritation of eyes and mucous membranes. Unconsciousness.

## 11. TOXICOLOGICAL INFORMATION

### HEPTANE

Inhalation	Central nervous system depression.
Ingestion	May cause internal injury.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema. Product has a defatting effect on skin.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Prolonged inhalation of high concentrations may damage respiratory system. Product has a defatting effect on skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Nausea, vomiting. Headache.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Central nervous system
Medical symptoms	Irritation of eyes and mucous membranes. Skin irritation. Difficulty in breathing.

### ETHYLBENZENE

Toxicological effects No evidence of carcinogenic mutagenic or teratogenic effects

### CYCLOHEXANE

Toxicological effects No evidence of carcinogenic mutagenic or teratogenic effects

Acute and chronic health hazards	Gas or vapour is toxic or extremely irritating, even on brief exposure. Gas or vapour is harmful on prolonged exposure or in high concentrations. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. A single exposure may cause the following adverse effects: Central nervous system depression. Repeated exposure may cause chronic eye irritation. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness. Death.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Respiratory system, lungs Skin
Medical symptoms	Severe irritation, burning and tearing. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Severe skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioural changes. Hypotension (low blood pressure). Dizziness.
Medical considerations	Skin disorders and allergies. Convulsions. Central nervous system depression.

## 11. TOXICOLOGICAL INFORMATION

### BUTYL ACETATE -norm

Inhalation	Drowsiness, dizziness, disorientation, vertigo.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Gas or vapour in high concentrations may irritate the respiratory system.
Route of entry	Inhalation Skin absorption Ingestion.
Medical symptoms	Irritation of eyes and mucous membranes.

### ACETONE

Acute and chronic health hazards	Gas or vapour is harmful on prolonged exposure or in high concentrations. Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Narcotic effect. A single exposure may cause the following adverse effects: Central nervous system depression. Vapour from this product may be hazardous by inhalation. Repeated exposure may cause chronic eye irritation. Defatting, drying and cracking of skin. Swallowing concentrated chemical may cause severe internal injury. Central and/or peripheral nervous system damage. Prolonged or repeated exposure may cause the following adverse effects: Serious damage to the lining of nose, throat and lungs. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Sore throat. Irritation of nose, throat and airway.
Route of entry	Inhalation Skin absorption Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Gastro-intestinal tract Respiratory system, lungs Skin
Medical symptoms	Irritation of eyes and mucous membranes. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Skin irritation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Intoxication. Symptoms following overexposure to dust may include the following: Irritability. Headache. Nausea, vomiting. Hypotension (low blood pressure).
Medical considerations	Skin disorders and allergies.

### BUTANOL-norm

Ingestion	May cause discomfort if swallowed.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema.
Eye contact	May cause severe eye irritation.
Acute and chronic health hazards	Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Gas or vapour in high concentrations may irritate the respiratory system.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Eyes Mucous membranes Respiratory system, lungs
Medical symptoms	Irritation of eyes and mucous membranes. Drowsiness, dizziness, disorientation, vertigo.
Medical considerations	Splash in eye requires examination by eye specialist.

## 11. TOXICOLOGICAL INFORMATION

### ETHANOL

Ingestion	May cause liver and/or renal damage.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Gas or vapour is harmful on prolonged exposure or in high concentrations. Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. Known or suspected teratogen. A single exposure may cause the following adverse effects: Central nervous system depression. Repeated exposure may cause chronic eye irritation. High concentrations may cause severe lung damage. Defatting, drying and cracking of skin. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness. Death.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Gastro-intestinal tract Liver Respiratory system, lungs Skin
Medical symptoms	Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Headache. Behavioural changes. Hypotension (low blood pressure). Dizziness. Confusion, agitation and/or excitation.
Medical considerations	Convulsions. Central nervous system depression.

### TETRAHYDROFURAN

Acute and chronic health hazards	Gas or vapour is harmful on prolonged exposure or in high concentrations. Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. A single exposure may cause the following adverse effects: Central nervous system depression. Unconsciousness. Death.
Route of entry	No route of entry noted.
Target organs	Central nervous system Eyes Kidneys Liver Respiratory system, lungs Skin
Medical symptoms	Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Respiratory failure. Death. Skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioural changes. Hypotension (low blood pressure). Dizziness.
Medical considerations	Convulsions. Central nervous system depression.

## 12. ECOLOGICAL INFORMATION

### Ecological information on ingredients.

#### PROPYL ACETATE

Ecotoxicity There are no data on the ecotoxicity of this product.

#### ETHYL ACETATE

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

#### HEPTANE

Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### ETHYLBENZENE

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### ACETONE

Ecotoxicity Fish: Low Daphnia: Moderate

#### ETHANOL

Ecotoxicity The Environmental hazards of this material has not been assessed. Standard handling protocols apply to prevent release to the environment.

### 12.1. Toxicity

#### Ecological information on ingredients.

#### TOLUENE

Toxicity LOW  
Acute toxicity - fish LC<sub>50</sub>, 96 hours: 10 - 100 mg/l, Algae

#### PROPAN-1-OL

Toxicity LOW  
Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Algae

#### METHYL ACETATE

Toxicity Not considered toxic to fish.  
Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Algae

#### XYLENE

Toxicity MODERATE.

#### BUTANONE

Toxicity LOW  
Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Algae

#### PROPYL ACETATE

Toxicity LOW  
Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 318 mg/l, Daphnia magna

#### ISOBUTYL METHYL KETONE (MIBK)

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Algae

#### METHANOL

Toxicity LOW  
Acute toxicity - fish LC<sub>50</sub>, 96 hours: 24900 mg/l, Algae

## 12. ECOLOGICAL INFORMATION

### PROPAN-2-OL

Toxicity LOW  
Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Algae

### HEXANE-norm

Acute toxicity - fish LC<sub>50</sub>, 96 hours: Nol Information Found mg/l, Algae

### HEPTANE

Toxicity LOW  
Acute aquatic toxicity  
LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1  
M factor (Acute) 1  
Acute toxicity - fish LC<sub>50</sub>, 96 hours: 4 mg/l, Algae

Chronic aquatic toxicity

M factor (Chronic) 1

### ETHYLBENZENE

Toxicity MODERATE.

### CYCLOHEXANE

Toxicity MODERATE.

Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 10-100 mg/l, Algae

Chronic aquatic toxicity

M factor (Chronic) 1

### BUTYL ACETATE -norm

Toxicity LOW

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 100 mg/l, Algae

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 44-205 mg/l, Daphnia magna

### ACETONE

Toxicity LOW

### BUTANOL-norm

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 1000-1200 mg/l, Algae

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 1855 mg/l, Daphnia magna

### ETHANOL

Toxicity MODERATE.

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Algae

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## 12. ECOLOGICAL INFORMATION

### TETRAHYDROFURAN

Toxicity LOW  
Acute toxicity - fish Peces LC<sub>50</sub>, 96 horas: 2160 mg/l, Peces

### 12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

### Ecological information on ingredients.

#### TOLUENE

Persistence and degradability MODERATE IN WATER

#### PROPAN-1-OL

Persistence and degradability SIGNIFICANT COMPARTMENTS LIKELY TO BE:~ WATER RAPID. AIR RAPID PHOTO OXIDATION

#### METHYL ACETATE

Persistence and degradability The product is expected to be slowly biodegradable.

#### XYLENE

Persistence and degradability SIGNIFICANT COMPARTMENTS LIKELY TO BE:~ AIR RAPID PHOTO OXIDATION SOIL MODERATE

#### BUTANONE

Persistence and degradability MODERATE

#### PROPYL ACETATE

Persistence and degradability RAPID.

#### ISOBUTYL METHYL KETONE (MIBK)

Persistence and degradability The product is slowly degradable.

#### METHANOL

Persistence and degradability SIGNIFICANT COMPARTMENTS LIKELY TO BE:~ WATER RAPID. AIR RAPID PHOTO OXIDATION

#### PROPAN-2-OL

Persistence and degradability SIGNIFICANT COMPARTMENTS LIKELY TO BE:~ WATER RAPID. AIR RAPID PHOTO OXIDATION

#### HEXANE-norm

Persistence and degradability The product is not readily biodegradable.

#### ETHYLBENZENE

Persistence and degradability MODERATE

#### CYCLOHEXANE

Persistence and degradability SIGNIFICANT COMPARTMENTS LIKELY TO BE:~ AIR RAPID PHOTO OXIDATION

#### BUTYL ACETATE -norm

Persistence and degradability The degradability of the product is not known.

#### ACETONE

Persistence and degradability Significant Compartments likely to be air, water. Persistence: in air, moderate; in water and soil, rapid biodegradation.

### TETRAHYDROFURAN

Persistence and degradability The product is expected to be biodegradable.

## 12. ECOLOGICAL INFORMATION

### 12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.  
Partition coefficient Data lacking.

#### Ecological information on ingredients.

##### TOLUENE

Bioaccumulative potential LOW  
Partition coefficient : <3

##### PROPAN-1-OL

Bioaccumulative potential LOW ON THE BASIS OF LOG KOW

##### METHYL ACETATE

Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

##### XYLENE

Bioaccumulative potential MEDIUM ON THE BASIS OF VARIABLE BCF

##### BUTANONE

Bioaccumulative potential MODERATE

##### PROPYL ACETATE

Bioaccumulative potential LOW

##### ISOBUTYL METHYL KETONE (MIBK)

Bioaccumulative potential LOW  
Partition coefficient : 1.38

##### METHANOL

Bioaccumulative potential LOW ON THE BASIS OF BCF

##### PROPAN-2-OL

Bioaccumulative potential LOW ON THE BASIS OF LOG KOW

##### HEXANE-norm

Bioaccumulative potential The product is not bioaccumulating.

##### HEPTANE

Bioaccumulative potential LOW

##### ETHYLBENZENE

Bioaccumulative potential LOW

##### CYCLOHEXANE

Bioaccumulative potential MODERATE ON THE BASIS OF LOG KOW

##### BUTYL ACETATE -norm

Bioaccumulative potential The product is not bioaccumulating.

##### ACETONE

Bioaccumulative potential LOW ON THE BASIS OF BCF  
Partition coefficient : -0.24

##### BUTANOL-norm

Partition coefficient : P:7.6; logP: 0.88

##### ETHANOL

Bioaccumulative potential LOW ON THE BASIS OF LOG KOW

##### TETRAHYDROFURAN

Bioaccumulative potential LOW ON THE BASIS OF LOG KOW



## 12. ECOLOGICAL INFORMATION

### 12.4. Mobility in soil

Mobility Readily absorbed into soil

#### Ecological information on ingredients.

##### TOLUENE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

##### BUTANONE

Mobility The product is miscible with water and may spread in water systems.

##### PROPYL ACETATE

Mobility Highly mobile due to infinite water solubility.

##### HEXANE-norm

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

##### ETHYLBENZENE

Mobility The product is insoluble in water and will spread on the water surface.

##### CYCLOHEXANE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

##### ETHANOL

Mobility Highly mobile due to infinite water solubility.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

Other adverse effects Negligible ecotoxicity

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## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

General information	Avoid release to the environment.
Disposal methods	Transfer to a suitable container and arrange for collection by specialised disposal company. NB the user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
Waste class	08 01 11

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## 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

UN No. (ADN) 1263

### 14.2. UN proper shipping name

Proper shipping name  
(ADR/RID)

PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT RELATED MATERIAL

### 14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ADN packing group II

ICAO packing group II

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 2

Emergency Action Code ·3YE

Hazard Identification Number

(ADR/RID)

33

Tunnel restriction code (D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
Not applicable.

## 15: REGULATORY INFORMATION

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

National regulations Not applicable

### 15.2. Chemical safety assessment

A REACH chemical safety assessment has been carried out on the REACH registered products showing in section 3 of SDS

## 16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

EUH statement: CLP-specific Hazard statement

General information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Revision comments

REACH 2.7d update

Issued by

Nicola Dobson, Technical Services Supervisor

Revision date

02/10/2017

Revision

10

Supersedes date

24/08/2017

SDS number 2

0846

Hazard statements in full

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

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.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H370 Causes damage to organs .

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.

The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.