



## SAFETY DATA SHEET STANDARD THINNERS

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

#### 1.1. Product identifier

**Product name** STANDARD THINNERS  
**Product number** PTH500,STT005,STT025,STT450,PLT000,BLS005

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

**Identified uses** Additive for paint.

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

**Supplier** TETROSYL LIMITED  
 Bury  
 Lancashire  
 England  
 BL9 7NY  
  
 0161 764 5981  
 0161 797 5899  
 info@tetrosyl.com

#### **Contact person**

**Manufacturer** TETROSYL LIMITED  
 Bury  
 Lancashire  
 England  
 BL9 7NY  
  
 0161 764 5981  
 0161 797 5899  
 info@tetrosyl.com

#### 1.4. Emergency telephone number

**Emergency telephone** 0161 764 5981

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Repr. 2 - H361fd STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304  
**Environmental hazards** Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)** F; R11. Xn; R65, R20, R48/20/21/22. Xi; R41, R38. Repr. Cat. 3 R63, R62. N; R51/53. R67

## STANDARD THINNERS

### 2.2. Label elements

#### Pictogram



#### Signal word

Danger

#### Hazard statements

H225 Highly flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H332 Harmful if inhaled.  
 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

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe vapour/spray.  
 P261 Avoid breathing vapour/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 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.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P314 Get medical advice/attention if you feel unwell.  
 P321 Specific treatment (see medical advice on this label).  
 P331 Do NOT induce vomiting.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with national regulations.  
 P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.

## STANDARD THINNERS

**Contains** TOLUENE, PROPAN-1-OL, HEPTANE, HEXANE-norm, ETHYLBENZENE, XYLENE, CYCLOHEXANE, METHYL ACETATE, BUTAN-2-OL, IPA, BUTANOL-norm, METHANOL, BUTYL ACETATE -norm, PROPYL ACETATE, ETHYL ACETATE, ISOBUTYL METHYL KETONE, BUTANONE, ACETONE

**Detergent labelling** 15 - < 30% aromatic hydrocarbons, 5 - < 15% aliphatic hydrocarbons

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>10-30%</b>		
<b>TOLUENE</b>		
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67	
Skin Irrit. 2 - H315		
Repr. 2 - H361d		
STOT SE 3 - H336		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		
<b>5-10%</b>		
<b>PROPAN-1-OL</b>		
CAS number: 71-23-8	EC number: 200-746-9	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xi;R41 R67	
Eye Dam. 1 - H318		
STOT SE 3 - H336		
<b>5-10%</b>		
<b>ETHYLBENZENE</b>		
CAS number: 100-41-4	EC number: 202-849-4	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xn;R20	
Asp. Tox. 1 - H304		
Acute Tox. 4 - H332		
STOT RE 1 - H372		
<b>5-10%</b>		
<b>XYLENE</b>		
CAS number: 1330-20-7	EC number: 215-535-7	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38	
Skin Irrit. 2 - H315		
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		

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<b>CYCLOHEXANE</b>		<b>5-10%</b>
CAS number: 110-82-7	EC number: 203-806-2	
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Chronic 1 - H410 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xn;R65 Xi;R38 R67 N;R50/53	
<b>HEPTANE</b>		<b>5-10%</b>
CAS number: 142-82-5	EC number: 205-563-8	
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 (67/548/EEC or 1999/45/EC)</b> F;R11 Xn;R65 Xi;R38 R67 N;R50/53	
<b>METHYL ACETATE</b>		<b>5-10%</b>
CAS number: 79-20-9	EC number: 201-185-2	
<b>Classification</b> Flam. Liq. 2 - H225 STOT SE 3 - H336 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R66 R67	
<b>BUTAN-2-OL</b>		<b>5-10%</b>
CAS number: 78-92-2	EC number: 201-158-5	
<b>Classification</b> Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 STOT SE 3 - H335, H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xi;R36/37 R67	
<b>IPA</b>		<b>5-10%</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>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R67	

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<b>ETHANOL</b>		<b>5-10%</b>
CAS number: 64-17-5		EC number: 200-578-6
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11	
<b>HEXANE-norm</b>		<b>5-10%</b>
CAS number: 110-54-3		EC number: 203-777-6
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67	
Skin Irrit. 2 - H315	N;R51/53	
Repr. 2 - H361f		
Asp. Tox. 1 - H304		
STOT SE 3 - H336		
STOT RE 2 - H373		
Aquatic Chronic 2 - H411		
<b>BUTYL ACETATE -norm</b>		<b>1-5%</b>
CAS number: 123-86-4		EC number: 204-658-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 R66 R67	
STOT SE 3 - H336		
<b>PROPYL ACETATE</b>		<b>1-5%</b>
CAS number: 109-60-4		EC number: 203-686-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xi;R36 R66 R67	
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
<b>ISOBUTYL METHYL KETONE</b>		<b>1-5%</b>
CAS number: 108-10-1		EC number: 203-550-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xn;R20 Xi;R36/37 R66	
Acute Tox. 4 - H332		
Eye Irrit. 2 - H319		
STOT SE 3 - H335		

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<b>ACETONE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 67-64-1	EC number: 200-662-2	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R66 R67	
<b>BUTANOL-norm</b> <span style="float: right;"><b>1-5%</b></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 STOT SE 3 - H335, H336 Eye Dam. 1 - H318 Skin Irrit. 2 - H315 Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xn;R22 Xi;R37/38,R41 R67	
<b>METHANOL</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 2 - H330 STOT SE 1 - H370	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 T;R23/24/25,R39/23/24/25	
<b>ETHYL ACETATE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 141-78-6	EC number: 205-500-4	REACH registration number: 01-2119475103-46-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R66 R67	
<b>BUTANONE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 78-93-3	EC number: 201-159-0	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R66 R67	

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<b>TETRAHYDROFURAN</b>	<b>&lt;1%</b>
CAS number: 109-99-9	EC number: 203-726-8
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11,R19 Xi;R36/37

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Effects may be delayed. Keep affected person under observation. Get medical attention. CAUTION! First aid personnel must be aware of own risk during rescue! Move affected person to fresh air at once. Keep affected person away from heat, sparks and flames. If breathing stops, provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place.
<b>Inhalation</b>	Immediate first aid is imperative. Get medical attention immediately. Move affected person to fresh air at once. Place unconscious person on their side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. Show this Safety Data Sheet to the medical personnel. Effects may be delayed.
<b>Ingestion</b>	Get medical attention immediately. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel. Never give anything by mouth to an unconscious person. Keep affected person away from heat, sparks and flames. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water. Use suitable lotion to moisturise skin. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention if any discomfort continues.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.
<b>Inhalation</b>	In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Vapours may cause headache, fatigue, dizziness and nausea. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. May cause chemical burns in mouth and throat. Central nervous system depression. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.

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**Eye contact** Irritation, burning, lachrymation, blurred vision after liquid splash.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. The product is highly flammable. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

**Hazardous combustion products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Risk of re-ignition after fire has been extinguished. Risk of explosion. Cool containers exposed to flames with water until well after the fire is out. Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

**Special protective equipment for firefighters** Leave danger zone immediately. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. Take precautionary measures against static discharges. No smoking, sparks, flames or other sources of ignition near spillage. Do not breathe vapour. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid discharge to the aquatic environment.

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

**Methods for cleaning up** For waste disposal, see Section 13. Stop leak if possible without risk. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Cover large spillages with alcohol-resistant foam.

### 6.4. Reference to other sections



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**Reference to other sections**    Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**            Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Eye wash facilities and emergency shower must be available when handling this product. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure.

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

**Storage precautions**            Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Keep only in the original container. Avoid contact with oxidising agents. Do not store near heat sources or expose to high temperatures. Store away from the following materials: Oxidising materials.

**Storage class**                    Flammable liquid storage.

#### 7.3. Specific end use(s)

**Specific end use(s)**            The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

No exposure limits known for ingredient(s).

##### **TOLUENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m<sup>3</sup>

Sk

##### **PROPAN-1-OL**

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 500 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 625 mg/m<sup>3</sup>(Sk)

##### **ETHYLBENZENE**

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

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

Sk

##### **XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 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>

##### **HEPTANE**

Long-term exposure limit (8-hour TWA): WEL 500 ppm 2085 mg/m<sup>3</sup>

##### **METHYL ACETATE**

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Long-term exposure limit (8-hour TWA): WEL 200 ppm 616 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 250 ppm 770 mg/m<sup>3</sup>

### BUTAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 308 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 150 ppm 462 mg/m<sup>3</sup>

### IPA

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL

### HEXANE-norm

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL

### 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>

### PROPYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 849 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 250 ppm 1060 mg/m<sup>3</sup>

### ISOBUTYL METHYL KETONE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m<sup>3</sup>  
Sk

### 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

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

### METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>  
Sk

### ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm  
Short-term exposure limit (15-minute): WEL 400 ppm

### BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 600 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 300 ppm 899 mg/m<sup>3</sup>  
Sk

### 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  
Sk = Can be absorbed through the skin.  
Sk = Can be absorbed through skin.

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### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

#### Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

#### Hygiene measures

Provide eyewash station.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Clear liquid. Liquid.
Colour	Colourless.
Odour	Solvent.
Odour threshold	Scientifically unjustified. Scientifically unjustified.
pH	Scientifically unjustified.
Melting point	Scientifically unjustified.
Initial boiling point and range	60°C @
Flash point	- 7°C
Evaporation rate	Scientifically unjustified.
Upper/lower flammability or explosive limits	Scientifically unjustified.
Vapour pressure	Scientifically unjustified.
Vapour density	Scientifically unjustified.
Relative density	0.85 @ 20°C
Solubility(ies)	Insoluble in water.
Partition coefficient	Scientifically unjustified.
Auto-ignition temperature	Scientifically unjustified.

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**Decomposition Temperature** Scientifically unjustified.

**Viscosity** <50 cP @ 20°C

**Oxidising properties** Not determined.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not relevant.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Other health effects** There is no evidence that the product can cause cancer.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 2,853.88

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 1,700.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** Xylene

**ATE dermal (mg/kg)** 6,643.85

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 30,779.75

**ATE inhalation (vapours mg/l)** 13.95

**ATE inhalation (dusts/mists mg/l)** 10.26

#### Reproductive toxicity

## STANDARD THINNERS

<b>Reproductive toxicity - fertility</b>	Suspected of damaging fertility.
<b>Reproductive toxicity - development</b>	Suspected of damaging the unborn child.
<b>Inhalation</b>	Harmful: possible risk of irreversible effects through inhalation. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Harmful by inhalation. May cause drowsiness or dizziness.
<b>Ingestion</b>	Harmful: possible risk of irreversible effects if swallowed. Harmful if swallowed. May be fatal if swallowed and enters airways.
<b>Skin contact</b>	Harmful in contact with skin. Harmful: possible risk of irreversible effects in contact with skin. Irritating to skin.
<b>Eye contact</b>	Causes serious eye damage.
<b>Acute and chronic health hazards</b>	May cause severe internal injury. Prolonged exposure to the preparation may cause serious health effects. Corrosivity to eyes is assumed. Contains a substance/a group of substances which may damage fertility and the unborn child.
<b>Route of entry</b>	Inhalation Ingestion. Skin and/or eye contact Skin absorption
<b>Medical symptoms</b>	Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.
<b>Medical considerations</b>	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

#### 12.1. Toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 13.5 (Xylene) mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 3.82 (Xylene) mg/l, Daphnia magna

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Scientifically unjustified.

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

**Adsorption/desorption coefficient** Not available.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### 12.6. Other adverse effects

**Other adverse effects** Not available.

## STANDARD THINNERS

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.
<b>Disposal methods</b>	Absorb spillage with non-combustible, absorbent material. No specific disposal method required.

### SECTION 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 (CONTAINS HEPTANE, HEXANE-norm)
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

## STANDARD THINNERS

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 MARPOL73/78 and the IBC Code

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

## SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	19/01/2015
Revision	29
Supersedes date	11/09/2012 v28
SDS status	Approved.

## STANDARD THINNERS

### Risk phrases in full

R10 Flammable.  
R11 Highly flammable.  
R19 May form explosive peroxides.  
R20 Harmful by inhalation.  
R20/21 Harmful by inhalation and in contact with skin.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R36 Irritating to eyes.  
R36/37 Irritating to eyes and respiratory system.  
R36/38 Irritating to eyes and skin.  
R37/38 Irritating to respiratory system and skin.  
R38 Irritating to skin.  
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
R41 Risk of serious damage to eyes.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R62 Possible risk of impaired fertility.  
R63 Possible risk of harm to the unborn child.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

### 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.  
H330 Fatal if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
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 .  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.