

# SAFETY DATA SHEET H3506

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

**1.1. Product identifier**

**Product name**                    H3506  
**Product number**                H3506

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

**Identified uses**                    Adhesive.  
**Uses advised against**            No specific uses advised against are identified.

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

<b>Supplier</b>	HESKINS LTD CHURCHILL ROAD INDUSTRIAL ESTATE BRINSCALL PR6 8RQ T: +44 (0) 1254 832266 F: +44 (0) 1254 832476 E: mail@heskins.com
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**1.4. Emergency telephone number**

**Emergency telephone**    +44 (0) 1254 832266 (NOT 24HRS)

**SECTION 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 Skin Sens. 1 - H317 Repr. 2 - H361d STOT SE 3 - H336  
**Environmental hazards**    Aquatic Chronic 2 - H411

**Physicochemical**                    The product is highly flammable. 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.

**2.2. Label elements**

**Pictogram**



**Signal word**

**Danger**

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<b>Hazard statements</b>	<p>H225 Highly flammable liquid and vapour.  H315 Causes skin irritation.  H317 May cause an allergic skin reaction.  H319 Causes serious eye irritation.  H336 May cause drowsiness or dizziness.  H361d Suspected of damaging the unborn child.  H411 Toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  P271 Use only outdoors or in a well-ventilated area.  P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P308+P313 IF exposed or concerned: Get medical advice/ attention.  P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Supplemental label information</b>	<p>RCH002b For professional users only.</p>
<b>Contains</b>	<p>hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane, BUTANONE, TOLUENE, ACETONE, Formaldehyde, oligomeric reaction products with phenol., HEXANE-norm, ROSIN</p>
<b>Supplementary precautionary statements</b>	<p>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.  P241 Use explosion-proof electrical equipment.  P242 Use only non-sparking tools.  P243 Take precautionary measures against static discharge.  P261 Avoid breathing vapour/ spray.  P264 Wash contaminated skin thoroughly after handling.  P272 Contaminated work clothing should not be allowed out of the workplace.  P273 Avoid release to the environment.  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.  P312 Call a POISON CENTER/ doctor if you feel unwell.  P321 Specific treatment (see medical advice on this label).  P332+P313 If skin irritation occurs: Get medical advice/ attention.  P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  P337+P313 If eye irritation persists: 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.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.



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<b>Formaldehyde, oligomeric reaction products with phenol.</b>			<b>1-5%</b>
CAS number: 9003-35-4	EC number: 500-005-2	REACH registration number: 01-2120735197-51-0000	
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412			
<b>HEXANE-norm</b>			<b>1-5%</b>
CAS number: 110-54-3	EC number: 203-777-6	REACH registration number: 01-2119480412-44-0009	
<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>ROSIN</b>			<b>&lt;1%</b>
CAS number: 8050-09-7	EC number: 232-475-7	REACH registration number: 01-2119480418-32-0036	
<b>Classification</b> Skin Sens. 1 - H317			
<b>XYLENE</b>			<b>&lt;1%</b>
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-0030	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304			

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<b>ETHYLBENZENE</b> <1%		
CAS number: 100-41-4	EC number: 202-849-4	REACH registration number: 01-2119489370-35-0018
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304		
<b>PARA-TERTIARY-BUTYLPHENOL</b> <1%		
CAS number: 98-54-4	REACH registration number: 01-2119489419-21-0000	M factor (Chronic) = 1
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 1 - H410		
<b>FORMALDEHYDE ...%</b> <1%		
CAS number: 50-00-0	EC number: 200-001-8	REACH registration number: 01-2119488953-20-0000
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335		

The full text for all hazard statements is displayed in Section I6.

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**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<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. Get medical attention immediately.

**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.
<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	May cause temporary eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . The product is highly flammable.
<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.

**5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.
<b>Special protective equipment for firefighters</b>	Wear chemical protective suit.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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**6.2. Environmental precautions**

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**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

**6.4. Reference to other sections**

**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** Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. 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.

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

**Storage precautions** Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container.

**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 BUTANONE**

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

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m<sup>3</sup>(Sk)

**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

**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>

**HEXANE-norm**

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

**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

**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

**PARA-TERTIARY-BUTYLPHENOL**

Short-term exposure limit (15-minute): 1 mg/m<sup>3</sup>

**FORMALDEHYDE ...%**

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m<sup>3</sup> WEL = Workplace Exposure Limit  
 Sk = Can be absorbed through the skin.

**Ingredient comments** WEL = Workplace Exposure Limits

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

**Ingredient comments** WEL = Workplace Exposure Limits  
**DNEL** Consumer - Oral; Long term systemic effects: 699 mg/kg bw/day  
 Workers - Oral; Long term systemic effects: 2035 mg/kg bw/day  
 Consumer - Dermal; Long term systemic effects: 699 mg/kg bw/day  
 Workers - Dermal; Long term systemic effects: 773 mg/kg bw/day  
 Consumer - Inhalation; Long term systemic effects: 608 mg/m<sup>3</sup>

BUTANONE (CAS: 78-93-3)

**Ingredient comments** WEL = Workplace Exposure Limits  
**Biological limit values** Short Term Value: 300ppm Long Term Value: 200ppm  
**DNEL** Consumer - Oral; Long term systemic effects: 31 mg/kg bw/day  
 Consumer - Dermal; Long term systemic effects: 412 mg/kg bw/day  
 Workers - Dermal; Long term systemic effects: 1161 mg/kg bw/day  
 Consumer - Inhalation; Long term systemic effects: 106 mg/m<sup>3</sup> Workers - Inhalation; Long term systemic effects: 600 mg/m<sup>3</sup>  
**PNEC** - Fresh water; 55.8 mg/l  
 - Sediment (Freshwater); 284.7 mg/kg  
 - Intermittent release; 55.8 mg/l  
 - Sediment (Marinewater); 284.7  
 - Marine water; 55.8 mg/l  
 - STP; 709 mg/l  
 - Soil; 22.5 mg/kg

TOLUENE (CAS: 108-88-3)

**DNEL** Workers - Inhalation; Short term systemic effects: mg/m<sup>3</sup>

ACETONE (CAS: 67-64-1)

**Ingredient comments** WEL = Workplace Exposure Limits

FORMALDEHYDE ...% (CAS: 50-00-0)



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**DNEL** Workers - Inhalation; Short term local effects: 0.8 mg/kg Workers - Dermal; Long term systemic effects: 240 mg/kg/day Workers - Inhalation; Long term systemic effects: 9 mg/m<sup>3</sup> Workers - Dermal; Long term local effects: 0.037 mg/cm<sup>2</sup> Workers - Inhalation; Long term local effects: 0.4 mg/kg Consumer - Dermal; Long term systemic effects: 102 mg/kg/day Consumer - Inhalation; Long term systemic effects: 3.2 mg/cm<sup>2</sup> Consumer - Oral; Long term systemic effects: 4.1 mg/kg/day Consumer - Dermal; Long term local effects: 0.012 mg/cm<sup>2</sup> Consumer - Inhalation; Long term local effects: 0.1 mg/m<sup>3</sup>

**PNEC** - Fresh water; 0.47 mg/l  
 - Marine water; 0.47 mg/l  
 - Sediment (Freshwater); 2.44 mg/kg  
 - Sediment (Marinewater); 2.44 mg/kg  
 - Soil; 0.21 mg/kg  
 - STP; 0.19 mg/l  
 - Intermittent release; 4.7 mg/l

**8.2. Exposure controls Protective equipment**



**Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

The following protection should be worn: Chemical splash goggles.

**Hand protection**

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 appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

**Hygiene measures**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling. Eating, smoking and water fountains prohibited in immediate work area.

**Respiratory protection**

In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear a respirator fitted with the following cartridge: ABEK2-P3

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and Chemical Properties**

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

<b>Appearance</b>	Coloured liquid.
<b>Colour</b>	Various colours.
<b>Odour</b>	aromatic hydrocarbons

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<b>Odour threshold</b>	Not available.
<b>pH</b>	Estimated value. pH (concentrated solution): 7-8
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	>60°C @ 20
<b>Flash point</b>	Estimated value. -35°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Estimated value. : 0.6% - 11.5%
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	0.8 @ 20°C
<b>Bulk density</b>	Not available.
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	200°C
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Kinematic viscosity > 20.5 mm <sup>2</sup> /s.
<b>Explosive properties</b>	Not available.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not available.
<b>Comments</b>	Information given is applicable to the product as supplied.
<b>9.2. Other information</b>	
<b>Other information</b>	No information required.
<b>Refractive index</b>	Not available.
<b>Particle size</b>	Not available.
<b>Molecular weight</b>	Not available.
<b>Volatility</b>	Not available.
<b>Saturation concentration</b>	Not available.
<b>Critical temperature</b>	Not available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 700 g/l.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

## H3506

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>10.2. Chemical stability</b>	
<b>Stability</b>	No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.
<b>10.3. Possibility of hazardous reactions</b>	
<b>Possibility of hazardous reactions</b>	Not applicable. Not relevant.
<b>10.4. Conditions to avoid</b>	
<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
<b>10.5. Incompatible materials</b>	
<b>Materials to avoid</b>	Strong oxidising agents. Strong acids. Strong alkalis.
<b>10.6. Hazardous decomposition products</b>	
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 8,695.65

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 8,695.65

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 86.96

#### Toxicological information on ingredients.

**hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-**

**hexane Toxicological effects** No information available.

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,840.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** Not known. Data lacking.

**ATE oral (mg/kg)** 5,840.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,920.0

**Species** Rat

**Notes (dermal LD<sub>50</sub>)** Data lacking.

**ATE dermal (mg/kg)** 2,920.0

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### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 25.2

**Species** Rat

**ATE inhalation (vapours mg/l)** 25.2

### Skin corrosion/irritation

**Animal data** Data lacking.

### Serious eye damage/irritation

**Serious eye damage/irritation** Data lacking.

### Aspiration hazard

**Aspiration hazard** Kinematic viscosity > 20.5 mm<sup>2</sup>/s.

**Inhalation** May cause respiratory system irritation.

**Ingestion** May cause stomach pain or vomiting.

**Skin contact** Irritating to skin.

**Eye contact** May cause severe eye irritation.

**Acute and chronic health hazards** Vapour from this product may be hazardous by inhalation.

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

**Target organs** No specific target organs known.

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

**Medical considerations** No information available.

## BUTANONE

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

**ATE oral (mg/kg)** 2,000.0

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rabbit

**ATE dermal (mg/kg)** 2,000.0

### Acute toxicity - inhalation

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**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 20.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 20.0

### TOLUENE

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 12,500.0

**ATE inhalation (vapours mg/l)** 12,500.0

**Carcinogenicity**

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

### ACETONE

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

**Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,800.0

**Species** Rat

**ATE oral (mg/kg)** 5,800.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 7,426.0

**Species** Rat

**ATE dermal (mg/kg)** 7,426.0

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 50,100.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 50,100.0

**Skin corrosion/irritation**

**Extreme pH** Slightly irritating.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Moderately irritating.

**Respiratory sensitisation**

**Respiratory sensitisation** Not sensitising.

**H3506**

**HEXANE-norm**

<b>Acute toxicity - oral</b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	25,000.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	25,000.0
<b>Acute toxicity - inhalation</b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> gases ppmV)</b>	48,000.0
<b>Species</b>	Rat
<b>ATE inhalation (gases ppm)</b>	48,000.0

**SECTION 12: Ecological Information**

**Ecological information on ingredients.**

**hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane**

**Ecotoxicity** Dangerous for the environment.

**12.1. Toxicity**

**Ecological information on ingredients.**

**hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-**

**hexane Acute toxicity - fish** LC<sub>0</sub>, hours: >1-<10 mg/l, Algae

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 3 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** LC<sub>0</sub>, hours: >1-<10 mg/l, Fish

**BUTANONE**

**Acute toxicity - fish** LC<sub>50</sub>, EC<sub>50</sub>, IC<sub>50</sub> : 100 mg/l, Algae

**Acute toxicity - aquatic plants** LC<sub>50</sub>, EC<sub>50</sub>, IC<sub>50</sub> : 100 mg/l, Fish

**TOLUENE**

**Acute toxicity - fish** , 48 hours: > 1-10 mg/l, Freshwater fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 11.5 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 100 mg/l, Fish

**ACETONE**

**Toxicity** Not considered toxic to fish.

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<b>Acute toxicity - fish</b>	LC50, 96 hours: 5540 mg/l, Freshwater fish , 96 hours: 11000 mg/l, Marinewater fish LC50, 96 hours: 11000 mg/l, Algae
<b>Acute toxicity - aquatic invertebrates</b>	EC50, 48 hours: 8800 mg/l, Daphnia magna EC50, 48 hours: 8800 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC50, 72 hours: 430 mg/l, Fish
<b>Acute toxicity - microorganisms</b>	, 30 minutes: 1000 mg/l, Activated sludge

### HEXANE-norm

<b>Acute toxicity - fish</b>	LC50, EC50, IC50, : 10 mg/l, Algae
<b>Acute toxicity - aquatic invertebrates</b>	LC50, EC50, IC50, : 10 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	LC50, EC50, IC50, : 10 mg/l, Fish

### Persistence and degradability

#### Ecological information on ingredients.

### ACETONE

<b>Persistence and degradability</b>	The product is expected to be biodegradable.
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### 12.2. Bioaccumulative potential

**Partition coefficient** Not available.

#### Ecological information on ingredients.

### TOLUENE

<b>Bioaccumulative potential</b>	The product does not contain any substances expected to be bioaccumulating.
<b>Partition coefficient</b>	Not available.

### ACETONE

<b>Bioaccumulative potential</b>	The product does not contain any substances expected to be bioaccumulating. BCF: 3,
<b>Partition coefficient</b>	Pow: < -0.24

### 12.3. Mobility in soil

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

#### Ecological information on ingredients.

### BUTANONE

<b>Mobility</b>	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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**H3506****TOLUENE**

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

**ACETONE**

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

**Adsorption/desorption coefficient** Water - log Koc: 1.5 @ 20°C

**Henry's law constant** 2929-3070 Pa m<sup>3</sup>/mol @ 25°C

**12.4. Results of PBT and vPvB assessment**

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

**Ecological information on ingredients.****BUTANONE**

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

**TOLUENE**

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

**ACETONE**

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

**12.5. Other adverse effects**

**Other adverse effects** None known.

**Ecological information on ingredients.****BUTANONE**

**Other adverse effects** None known.

**TOLUENE**

**Other adverse effects** Not known.

**ACETONE**

**Other adverse effects** Not applicable.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**General information** Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.



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**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information****14.1. UN number****UN No. (ADR/RID)** 1133**UN No. (IMDG)** 1133**UN No. (ICAO)** 1133**UN No. (ADN)** 1133**14.2. UN proper shipping name**

ADHESIVES

**Proper shipping name (ADR/RID)****Proper shipping name (IMDG)** ADHESIVES**Proper shipping name (ICAO)** ADHESIVES**Proper shipping name (ADN)** ADHESIVES**14.3. Transport hazard****class(es) ADR/RID class** 3**ADR/RID classification code** FI**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-D

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**ADR transport category** 2

**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

#### SECTION 15: Regulatory information

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

Health and Safety at Work etc. Act 1974 (as amended).  
 The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
 Control of Substances Hazardous to Health Regulations 2002 (as amended).

##### EU legislation

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.  
 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).

##### Authorisations (Title VII Regulation 1907/2006)

Entry number: 48

##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

Issued by	Compliance
Revision date	07/11/2018
Revision	21
Supersedes date	08/05/2018

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### 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.  
H314 Causes severe skin burns and eye damage. H315 Causes skin irritation.  
H317 May cause an allergic skin reaction. H318 Causes serious eye damage.  
H319 Causes serious eye irritation. 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.  
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

### Store Between Contains SVHC

Store Between 5'c - 25'c  
NO

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular