

## SAFETY DATA SHEET

### Ultrotherm Non Chlorinated Spray Adhesive 500ml

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name**                      Ultrotherm Non Chlorinated Spray Adhesive 500ml

**Container size**                      500ml

**REACH registration notes**      All chemicals used in this product have been registered under REACH where required.

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

**Identified uses**                      Adhesive.

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

**Supplier**                              Ultrotherm Ltd  
Birdsgrove  
Main Street  
Biggin  
Derbyshire  
SK17 0DH

Tel: 0800 169 706

##### 1.4. Emergency telephone number

**Emergency telephone**              Ultrotherm Ltd 0800 169 706 (Mon-Fri 09:00 - 17:00)

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

**Physical hazards**                      Aerosol 1 - H222, H229

**Health hazards**                      Eye Irrit. 2 - H319 STOT SE 3 - H336

**Environmental hazards**              Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Hazard pictograms



**Signal word**                              Danger

**Hazard statements**                      H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

## Ultrotherm Non Chlorinated Spray Adhesive 500ml

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
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<b>Contains</b>	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, ACETONE
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<b>Supplementary precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p>
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### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. In use may form flammable/explosive vapour-air mixture.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS</b>	<b>30-60%</b>
<0.1% 1,3 BUTADIENE	
CAS number: 68476-85-7	EC number: 270-704-2
<b>Classification</b>	
Flam. Gas 1A - H220	
Press. Gas (Liq.) - H280	

## Ultrotherm Non Chlorinated Spray Adhesive 500ml

<b>Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>	<b>10-30%</b>
CAS number: – <span style="margin-left: 150px;">EC number: 926-605-8</span> <span style="float: right;">REACH registration number: 01-2119486291-36-0000</span>	
<b>Classification</b> Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	
<b>ACETONE</b>	<b>10-30%</b>
CAS number: 67-64-1 <span style="margin-left: 150px;">EC number: 200-662-2</span> <span style="float: right;">REACH registration number: 01-2119471330-49-XXXX</span>	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

**Composition comments**      CAS 68476-85-7 - Petroleum Gas, The substance contains less than 0.1% w/w 1,3-butadiene, meaning that the full harmonised classification regarding Muta. 1B H340 and Carc. 1A H350 does not apply.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. If breathing stops, provide artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention. Do not induce vomiting.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<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 if irritation persists after washing. If adhesive bonding occurs, do not force eyelids apart.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

#### 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. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure. Exposure may cause coughing or wheezing. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

## Ultrotherm Non Chlorinated Spray Adhesive 500ml

<b>Ingestion</b>	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin. Product has a defatting effect on skin.
<b>Eye contact</b>	Causes serious eye irritation. Profuse watering of the eyes.

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

<b>Specific treatments</b>	If adhesive bonding occurs, do not force eyelids apart.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, dry powder or carbon dioxide. Alcohol-resistant foam.
<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>	Containers can burst violently or explode when heated, due to excessive pressure build-up. Forms explosive mixtures with air. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Bursting aerosol containers may be propelled from a fire at high speed.
<b>Hazardous combustion products</b>	Oxides of carbon. Acrid smoke or fumes.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Use water to keep fire exposed containers cool and disperse vapours. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not breathe vapour. Avoid contact with eyes and prolonged skin contact.
<b>For non-emergency personnel</b>	For the greatest protection, clothing should include anti-static overalls, boots and gloves.
<b>For emergency responders</b>	For the greatest protection, clothing should include anti-static overalls, boots and gloves.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Contain spillage with sand, earth or other suitable non-combustible material.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	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. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Avoid water contacting spilled material or leaking containers. Approach the spillage from upwind. Take precautionary measures against static discharge. Use only non-sparking tools.
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## Ultrotherm Non Chlorinated Spray Adhesive 500ml

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 7 for information on safe handling. 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. Wear protective clothing as described in Section 8 of this safety data sheet. Read and follow manufacturer's recommendations. Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using this product.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas. Wash after use and before eating, smoking and using the toilet. Do not smoke in work area. Clean equipment and the work area every day.

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

**Storage precautions** Under normal conditions of handling and storage, spillages from aerosol containers are unlikely. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Extremely Flammable Aerosol

#### 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

##### **PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 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>

WEL = Workplace Exposure Limit.

**Ingredient comments** WEL = Workplace Exposure Limits

##### **ACETONE (CAS: 67-64-1)**

<b>DNEL</b>	Consumer - Oral; Long term : 62 mg/kg/day Consumer - Dermal; Long term : 62 mg/kg/day Industry - Dermal; Long term : 186 mg/kg/day Consumer - Inhalation; Long term : 200 mg/m <sup>3</sup> Industry - Inhalation; Short term : 2420 mg/m <sup>3</sup> Industry - Inhalation; Long term : 1210
<b>PNEC</b>	- Fresh water; 10.6 mg/l - marine water; 1.06 mg/l - Intermittent release; 21 mg/l - Soil; 29.5 mg/l - Sediment (Marinewater); 3.04 mg/kg - Sediment (Freshwater); 30.4 mg/kg

## Ultrotherm Non Chlorinated Spray Adhesive 500ml

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Ensure that the direction of airflow is clearly away from the worker. Use approved respirator if air contamination is above an acceptable level. Observe any occupational exposure limits for the product or ingredients. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof electrical, ventilating and lighting equipment. Ensure operatives are trained to minimise exposure.

#### Personal protection

Wear protective clothing.

#### Eye/face protection

Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

(PE/PA/PE), 2.5mil (0.06mm), >480 min. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

#### Other skin and body protection

Provide eyewash station. Avoid contact with skin. Wear suitable coveralls to prevent exposure to the skin.

#### Hygiene measures

Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Use appropriate hand lotion to prevent defatting and cracking of skin. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Wear a respirator fitted with the following cartridge:  
Short term Gas filter, type AX.

#### Thermal hazards

Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

#### Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 9: Physical and chemical properties

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

Appearance	Aerosol.
Colour	Amber.
Odour	Acetone. Ketonic.
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.

## Ultrotherm Non Chlorinated Spray Adhesive 500ml

<b>Initial boiling point and range</b>	Acetone: 55.8-56.6°C @ 760 mm Hg Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane: 75-90°C @ 760 mm Hg
<b>Flash point</b>	A flash point method is not available but the major hazardous component, the liquefied petroleum gases, has a flash point of <-60°C with flammability limits of 10.9% vol. upper and 1.4% vol. lower.
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure</b>	4.0 bar @ 20°C 8.5 bar @ 50°C
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Liquid base: 0.8 @ 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Liquid base: 100-300 cP @ 20°C
<b>Explosive properties</b>	In use may form flammable/explosive vapour-air mixture.
<b>Explosive under the influence of a flame</b>	Yes
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of 537 g/l.

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**Reactivity** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise. In use may form flammable/explosive vapour-air mixture.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Avoid the accumulation of vapours in low or confined areas.

### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong oxidising agents. Strong alkalis.

## Ultrotherm Non Chlorinated Spray Adhesive 500ml

### 10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Skin corrosion/irritation

Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

#### Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

#### Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

#### Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

#### Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

### **General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

### **Inhalation**

High exposures may cause an abnormal heart rhythm and prove suddenly fatal. Very high atmospheric concentrations may cause anaesthetic effects and asphyxiation. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

### **Ingestion**

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Harmful: may cause lung damage if swallowed. May cause nausea, headache, dizziness and intoxication.

### **Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

### **Eye contact**

Irritating to eyes. Profuse watering of the eyes.

### **Acute and chronic health hazards**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Frequent inhalation of vapours may cause respiratory allergy.

### **Route of exposure**

Inhalation  
Skin absorption

### **Target organs**

Central nervous system  
Respiratory system, lungs  
Skin

### **Medical symptoms**

Narcotic effect. Vapours may cause drowsiness and dizziness.

### Toxicological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Toxicological effects** Information given is based on data of the components and of similar products.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Not applicable.

#### Acute toxicity - dermal



## Ultratherm Non Chlorinated Spray Adhesive 500ml

**Notes (dermal LD<sub>50</sub>)** Not applicable.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >20 mg/l, Inhalation, Rat

### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating.

### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising.

### Skin sensitisation

**Skin sensitisation** Not sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

### Carcinogenicity

**Carcinogenicity** Carcinogenicity in humans is not expected.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** A single exposure may cause the following adverse effects: Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Not anticipated to present an aspiration hazard, based on chemical structure.

**Inhalation** May cause respiratory system irritation.

**Skin contact** Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

**Route of exposure** Inhalation Skin and/or eye contact

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

### Skin corrosion/irritation

**Skin corrosion/irritation** Irritating to skin.

### Serious eye damage/irritation

## Ultratherm Non Chlorinated Spray Adhesive 500ml

Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
<u>General information</u>	
General information	The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

### ACETONE

Toxicological effects	The toxicity of this substance has been assessed during REACH registration.
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD <sub>50</sub> mg/kg)	2,000.0
Species	Rabbit
<u>Skin sensitisation</u>	
Skin sensitisation	Epidemiological studies have shown no evidence of skin sensitisation.
<u>Skin contact</u>	
Skin contact	Irritating to skin.
<u>Eye contact</u>	
Eye contact	Irritating to eyes.

## SECTION 12: Ecological information

**Ecotoxicity** The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Ecotoxicity** Information given is based on data of the components and of similar products.

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

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

### 12.1. Toxicity

**Toxicity** Harmful to aquatic life with long lasting effects.

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Toxicity** Not regarded as dangerous for the environment. The product is not believed to present a hazard due to its physical nature. Highly volatile.

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

## Ultratherm Non Chlorinated Spray Adhesive 500ml

### Acute aquatic toxicity

Acute toxicity - fish	LL <sub>50</sub> , 96 hours: 9.776 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EL <sub>50</sub> , 48 hours: 3.0 mg/l, Daphnia magna
Acute toxicity - microorganisms	NOEL, 48 hours: 8.483 mg/l, Tetrahymena pyriformis.

### Acute aquatic toxicity

### ACETONE

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: >100 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 12600 mg/l, Daphnia magna EC <sub>50</sub> , 48 hours: 8300 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC <sub>50</sub> , 72 hours: >100 mg/l, Algae

### Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	NOEC, 28 days: >10<100 mg/l, Freshwater invertebrates
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## 12.2. Persistence and degradability

**Persistence and degradability** The product is not readily biodegradable.

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

Persistence and degradability	The product is readily biodegradable.
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#### Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Persistence and degradability	The product is biodegradable.
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### ACETONE

Persistence and degradability	The product is readily biodegradable.
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## 12.3. Bioaccumulative potential

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

**Partition coefficient** Not available.

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Bioaccumulative potential** Bioaccumulation is unlikely.

## 12.4. Mobility in soil

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

## Ultratherm Non Chlorinated Spray Adhesive 500ml

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

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

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

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

### 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.

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

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

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

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

#### ACETONE

**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** Not available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** Ensure containers are empty before discarding (explosion risk).

**Disposal methods** Do not puncture or incinerate, even when empty. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**Waste class** Full or Partially Empty Aerosol: 16 05 04, Empty Aerosol: 15 01 10 (Containing hazardous residues), Empty Aerosol: 15 01 04 (No hazardous residues).

## **SECTION 14: Transport information**

**General** This product is packed in accordance with the Limited quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow the transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing they are labelled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed must show the following.

### 14.1. UN number

## Ultratherm Non Chlorinated Spray Adhesive 500ml

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID class	2,5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

IMDG Code segregation group SG69, SW1, SW22

EmS F-D, S-U

Tunnel restriction code (D)

### 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.

## SECTION 15: Regulatory information

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

**National regulations** The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).  
Control of Substances Hazardous to Health Regulations 2002 (as amended).  
Health and Safety at Work etc. Act 1974 (as amended).

**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).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

## Ultrotherm Non Chlorinated Spray Adhesive 500ml

<b>Guidance</b>	Workplace Exposure Limits EH40.
<b>Authorisations (Annex XIV Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Annex XVII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Aerosol 1 - H222, H229: Weight of evidence. Eye Irrit. 2 - H319, STOT SE 3 - H336, Aquatic Chronic 3 - H412: Calculation method.
<b>Issued by</b>	Technical Department
<b>Revision date</b>	16/01/2019
<b>Revision</b>	4
<b>Supersedes date</b>	16/07/2018
<b>SDS number</b>	21281
<b>Hazard statements in full</b>	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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 use.