



## SAFETY DATA SHEET

### Tuskbond HT150 Canister

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	Tuskbond HT150 Canister
Container size	13.4kg
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.
Uses advised against	Flexible PVC due to the risk of plasticiser migration.

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

Supplier	Sangler Limited Shelley Close Lowmoor Business Park Kirkby in Ashfield NG17 7JZ Tel: 01623 722661 (Mon-Fri 09:00-17:00) Fax: 01623 885971 Email: info@tuskbond.co.uk
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##### 1.4. Emergency telephone number

Emergency telephone	UK +44 (0) 1623 722661 (Mon-Fri 09:00-17:00)
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#### SECTION 2: Hazards identification

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

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

Physical hazards	Flam. Gas 1 - H220 Press. Gas (Liq.) - H280
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
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<b>Hazard statements</b>	H220 Extremely flammable gas. H280 Contains gas under pressure; may explode if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 IF exposed or concerned: Get medical advice/ attention. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, ACETONE
<b>Supplementary precautionary statements</b>	P271 Use only outdoors or in a well-ventilated area. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362+P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS</b> <span style="float: right;"><b>10-30%</b></span> <0.1% 1,3 BUTADIENE CAS number: 68476-85-7                      EC number: 270-704-2
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas (Liq.) - H280
<b>Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b> <span style="float: right;"><b>10-30%</b></span> CAS number: —                              EC number: 926-605-8                      REACH registration number: 01-2119486291-36-0000
<b>Classification</b> Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

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<b>ACETONE</b>		<b>10-30%</b>
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
<b>Classification</b>		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
<b>DIMETHYL ETHER</b>		<b>5-10%</b>
CAS number: 115-10-6	EC number: 204-065-8	REACH registration number: 01-2119472128-37-XXXX
<b>Classification</b>		
Flam. Gas 1 - H220		
Press. Gas (Liq.) - H280		

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.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin. Product has a defatting effect on skin.

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**Eye contact** There may be irritation and redness. Eyes may water profusely.

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

**Notes for the doctor** Show this Safety Data Sheet to the medical personnel. Vapours may cause headache, fatigue, dizziness and nausea. Difficulty in breathing. Avoid breathing vapours.

**Specific treatments** If adhesive bonding occurs, do not force eyelids apart.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Water spray, dry powder or carbon dioxide. Alcohol-resistant foam.

**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** 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.

**Hazardous combustion products** Oxides of carbon. Acrid smoke or fumes.

### 5.3. Advice for firefighters

**Protective actions during firefighting** 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.

**Special protective equipment for firefighters** 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. 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.

**For non-emergency personnel** For the greatest protection, clothing should include anti-static overalls, boots and gloves.

**For emergency responders** For the greatest protection, clothing should include anti-static overalls, boots and gloves.

### 6.2. Environmental precautions

**Environmental precautions** Contain the spillage using bunding. Contain spillage with sand, earth or other suitable non-combustible material.

### 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. 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.

### 6.4. Reference to other sections

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**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** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents. Store away from the following materials: Alkalis. Protect from sunlight.

**Storage class** Flammable compressed gas storage.

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

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

**Usage description** Adhesive.

### 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>

##### DIMETHYL ETHER

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

WEL = Workplace Exposure Limit.

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

##### DNEL

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

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### PNEC

- 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

### DIMETHYL ETHER (CAS: 115-10-6)

### PNEC

- Fresh water; 0,155 mg/l
- Intermittent release, Water; 1,549 mg/l
- Water; 160 mg/l
- marine water; 0,016 mg/l
- Sediment (Freshwater); 0,681 mg/l
- Sediment (Marinewater); 0,069 mg/l
- Soil; 0,045 mg/l

## 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. Provide eyewash station.

### Hand protection

To protect hands from chemicals, gloves should comply with European Standard EN374. (PE/PA/PE), 2.5mil (0.06mm), >480 min. Nitrile rubber. It should be noted that liquid may penetrate the gloves. 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. 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. The breakthrough time for any glove material may be different for different glove manufacturers.

### 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. For short term use an AX filter is recommended.

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<b>Thermal hazards</b>	Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.
<b>Environmental exposure controls</b>	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

<b>Appearance</b>	Aerosol.
<b>Colour</b>	Straw.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Data lacking.
<b>pH</b>	pH (concentrated solution): 7
<b>Melting point</b>	Data lacking.
<b>Initial boiling point and range</b>	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane: 75-90°C @ 760 mm Hg
<b>Flash point</b>	Technical impossibility to obtain the data. Petroleum gases, liquefied: -60°C Upper flammable/explosive limit: 10.9 vol% Lower flammable/explosive limit: 1.4 vol% Dimethyl ether: -41°C Upper flammable/explosive limit: 26.2 vol% Lower flammable/explosive limit: 3.3 vol%
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	No specific test data are available.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Other flammability</b>	No specific test data are available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Liquid base: 0.8
<b>Bulk density</b>	Not applicable.
<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: 150 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.
<b>9.2. Other information</b>	
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 538 g/l.

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### 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.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**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. Exposure may cause coughing or wheezing. May cause respiratory system irritation.

**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. There maybe irritation and redness. Eyes may water profusely

**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.



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### Acute toxicity - dermal

**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

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

### ACETONE

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

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<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	Not applicable.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Not applicable.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	164000 ppm, Inhalation, Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Germ cell mutagenicity</u></b>	

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<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	This substance has no evidence of toxicity to reproduction.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Skin contact</u></b>	
<b>Skin contact</b>	Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.
<b><u>Medical symptoms</u></b>	
<b>Medical symptoms</b>	Symptoms following overexposure may include the following: Arrhythmia (deviation from normal heart beat).

### 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 organisms, may cause long-term adverse effects in the aquatic environment.

#### 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

#### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: 9.776 mg/l, Freshwater fish

**Acute toxicity - aquatic invertebrates** EL50, 48 hours: 3.0 mg/l, Daphnia magna

**Acute toxicity - microorganisms** NOEL, 48 hours: 8.483 mg/l, Tetrahymena pyriformis.

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### ACETONE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: >100 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 12600 mg/l, Daphnia magna EC <sub>50</sub> , 48 hours: 8300 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: >100 mg/l, Algae
<b><u>Chronic aquatic toxicity</u></b>	
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 28 days: >10<100 mg/l, Freshwater invertebrates

### DIMETHYL ETHER

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: >4000 mg/l, Poecilia reticulata (Guppy)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >4000 mg/l, Daphnia magna LC <sub>50</sub> , 48 hours: 755,549 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** Biodegradable in part only.

### Ecological information on ingredients.

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

**Persistence and degradability** The product is readily biodegradable.

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

**Persistence and degradability** The product is biodegradable.

### ACETONE

**Persistence and degradability** The product is readily biodegradable.

### DIMETHYL ETHER

**Persistence and degradability** Not readily biodegradable.

### 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.

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### DIMETHYL ETHER

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

#### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product contains substances which are water-soluble and may spread in water systems.

#### 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.

### DIMETHYL ETHER

**Mobility** Koc: 7,759

#### 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.

### DIMETHYL ETHER

**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.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

## Tuskbond HT150 Canister

<b>General information</b>	Ensure containers are empty before discarding (explosion risk). Dispose of contents/container in accordance with local regulations.
<b>Disposal methods</b>	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.
<b>Waste class</b>	Full or Partially Empty Canister: 16 05 04. Empty Canister: 15 01 10 (Containing hazardous residue), Empty Canister: 15 01 04 (No hazardous residues),

### SECTION 14: Transport information

#### 14.1. UN number

<b>UN No. (ADR/RID)</b>	3501
<b>UN No. (IMDG)</b>	3501
<b>UN No. (ICAO)</b>	3501
<b>UN No. (ADN)</b>	3501

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, ACETONE, DIMETHYL ETHER)
<b>Proper shipping name (IMDG)</b>	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, ACETONE, DIMETHYL ETHER)
<b>Proper shipping name (ICAO)</b>	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, ACETONE, DIMETHYL ETHER)
<b>Proper shipping name (ADN)</b>	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS, Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, ACETONE, DIMETHYL ETHER)

#### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	2.1
<b>ADR/RID classification code</b>	8F
<b>ADR/RID label</b>	2.1
<b>IMDG class</b>	2.1
<b>ICAO class/division</b>	2.1
<b>ADN class</b>	2.1

#### Transport labels



#### 14.4. Packing group

Not applicable.

<b>ADR/RID packing group</b>	#
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## Tuskbond HT150 Canister

IMDG packing group #

ICAO packing group #

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Emergency Action Code 2YE

Hazard Identification Number (ADR/RID) 23

Tunnel restriction code (B/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.

Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** 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 (as amended).

**Guidance** Approved Classification and Labelling Guide (Sixth edition) L131.  
Workplace Exposure Limits EH40.

**Authorisations (Annex XIV Regulation 1907/2006)** No specific authorisations are known for this product.

**Restrictions (Annex XVII Regulation 1907/2006)** 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

**Classification procedures according to Regulation (EC) 1272/2008** Flam. Gas 1 - H220, Press. Gas (Liq.) - H280: Weight of evidence. Eye Irrit. 2 - H319, STOT SE 3 - H336, Aquatic Chronic 3 - H412: Calculation method.

**Issued by** Technical Department

**Revision date** 23/09/2020

## Tuskbond HT150 Canister

<b>Revision</b>	11
<b>Supersedes date</b>	30/08/2018
<b>SDS number</b>	21575
<b>Hazard statements in full</b>	H220 Extremely flammable gas. H225 Highly flammable liquid and vapour. 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.