

## SAFETY DATA SHEET

LIMESTONE & MARBLE PROTECTOR

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Compilation date: 01/09/2015

Revision date: 29/03/2017

Revision No: 4

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

#### 1.1. Product identifier

**Product name:** LIMESTONE & MARBLE PROTECTOR

**Product code:** 54

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

**Use of substance / mixture:** PC15: Non-metal-surface treatment products.

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

**Company name:** Tensid UK Ltd  
Unit 1 Craven Court  
Canada Road  
Byfleet  
Surrey  
KT14 7JI  
United Kingdom  
**Tel:** +44 (0)1932 564 133  
**Fax:** +44 (0)1932 562 046  
**Email:** [info@tensid.com](mailto:info@tensid.com)

#### 1.4. Emergency telephone number

**Emergency tel:** +44 (0)1932 564 133

### Section 2: Hazards identification

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

**Classification under CLP:** Flam. Liq. 3: H226; Asp. Tox. 1: H304; Eye Irrit. 2: H319; -: EUH066

**Most important adverse effects:** Repeated exposure may cause skin dryness or cracking. Flammable liquid and vapour.  
May be fatal if swallowed and enters airways. Causes serious eye irritation.

#### 2.2. Label elements

##### Label elements:

**Hazard statements:** EUH066: Repeated exposure may cause skin dryness or cracking.  
H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H319: Causes serious eye irritation.

**Hazard pictograms:** GHS02: Flame  
GHS08: Health hazard  
GHS07: Exclamation mark

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**Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.  
P280: Wear eye protection.  
P301+310: IF SWALLOWED: Immediately call a physician.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P331: Do NOT induce vomiting.

### 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS - REACH registered number (s): 01-2119457273-39-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
918-481-9	-	-	Asp. Tox. 1: H304; -: EUH066	70-90%

DIPROPYLENEGLYCOL METHYLETHER - REACH registered number(s): 01-2119450011-60

252-104-2	34590-94-8	Substance with a Community workplace exposure limit.	-	1-10%
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TRIMETHOXY(2-METHYLPROPYL)SILANE

242-272-5	18395-30-7	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H336	1-10%
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TETRAETHYL SILICATE

201-083-8	78-10-4	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335	1-10%
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3-BUTOXYPROPAN-2-OL

225-878-4	5131-66-8	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

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**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

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

**Exposure hazards:** Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

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**7.1. Precautions for safe handling**

**Handling requirements:** Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Must only be kept in original packaging.

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

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

**DIPROPYLENEGLYCOL METHYLEETHER**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	55 ppm; 308 mg/m <sup>3</sup>	-	-	-

**TRIMETHOXY(2-METHYLPROPYL)SILANE**

EU	200 ppm 266 mg/m <sup>3</sup>	250 ppm 333 mg/m <sup>3</sup>	-	-
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**TETRAETHYL SILICATE**

UK	87 mg/m <sup>3</sup>	260 mg/m <sup>3</sup>	-	-
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**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Colourless

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**Odour:** Characteristic odour  
**Evaporation rate:** No data available.  
**Oxidising:** Non-oxidising (by EC criteria)  
**Solubility in water:** Slightly soluble  
**Viscosity:** Non-viscous  
**Boiling point/range°C:** No data available.      **Melting point/range°C:** No data available.  
**Flammability limits %: lower:** No data available.      **upper:** No data available.  
**Flash point°C:** 23 - 60      **Part.coeff. n-octanol/water:** No data available.  
**Autoflammability°C:** No data available.      **Vapour pressure:** No data available.  
**Relative density:** 0.83      **pH:** No data available.  
**VOC g/l:** No data available.

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

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

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**HYDROCARBONS, C10-C13, N-ALKANES,ISOALKANES, CYCLICS, <2% AROMATICS**

DERMAL	RBT	LD50	>2000	mg/kg
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ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>5000	mg/l

**DIPROPYLENEGLYCOL METHYLEETHER**

DERMAL	RBT	LD50	9150	mg/kg
ORAL	RAT	LD50	5135	mg/kg

**TETRAETHYL SILICATE**

IPR	MUS	LDLO	830	mg/kg
ORL	RAT	LD50	6270	mg/kg

**3-BUTOXYPROPAN-2-OL**

SKN	RBT	LD50	3100	mg/kg
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**Relevant hazards for product:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS**

ALGAE	72H ErC50	>1000	mg/l
Daphnia magna	48H EC50	>1000	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>1000	mg/l

**DIPROPYLENEGLYCOL METHYLEETHER**

DAPHNIA	48H EC50	1919	mg/l
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FISH	96H LC50	10000	mg/l
GREEN ALGA (Selenastrum capricornutum)	96H LC50	> 969	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1993

**14.2. UN proper shipping name**

**Shipping name:** FLAMMABLE LIQUID, N.O.S.  
(TRIMETHOXY(2-METHYLPROPYL)SILANE)

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

**Transport class:** 3

**14.4. Packing group**

**Packing group:** III

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

[cont...]

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**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** D/E

**Transport category:** 3

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

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

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

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