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LIMESTONE AND MARBLE PROTECTOR		54

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Company identification : tensid uk ltd
Aquila House,70A Wheatash Road
Addlestone
Surrey KT15 2ES United Kingdom
Tel. 01932 564133

Product code : 54

Trade name : LIMESTONE AND MARBLE PROTECTOR.

Use : Industrial.

2 COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS no	EC no	EC index	Classification
Naphta heavy (low boiling point hydrogen treated)	: > 70 %	64742-48-9	265-150-3	649-327-00-6	Xn; R65 R66
Isobutyl trimethoxysilane	: 5 to 10 %	18395-30-7	----	----	R10 Xn; R22
Ethylpolysilicate	: 1 to 5 %	11099-06-2	----	----	R10 Xn; R20 Xi; R36/37
Tetraethyl silicate	: 1 to 5 %	78-10-4	201-083-8	014-005-00-0	R10 Xn; R20 Xi; R36/37
Solvent naphta medium aliphatic : Straight run kerosine	: 5 to 10 %	64742-88-7	265-191-7	649-405-00-X	R10 Xn; R65 N; R51-53

LC50-96 Hour - fish [mg/l] : 10

3 HAZARDS IDENTIFICATION

Main hazards : Harmful : may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Flammable.

4 FIRST AID MEASURES

- **Inhalation** : Remove victim to fresh air. Allow the victim to rest. Obtain medical attention.

- **Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.

- **Eye contact** : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Retract eyelids often. Obtain medical attention.

- **Ingestion** : DO NOT INDUCE VOMITING. If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical attention.

5 FIRE-FIGHTING MEASURES

Flammable class : Flammable.

Extinguishing media : Use extinguishing media appropriate for surrounding fire.

Surrounding fires : Use water spray or fog for cooling exposed containers.

Special exposure hazards : When heated to decomposition, emits toxic fumes.

Protection against fire : Self contained breathing apparatus. Wear proper protective equipment.

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6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Equip cleanup crew with proper protection.
Eliminate every possible source of ignition.
- Environmental precautions** : Prevent entry to sewers and public waters.
- After spillage and/or leakage** : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Flush with plenty of water.

7 HANDLING AND STORAGE

- Storage** : Keep in flameproof area. Close container tightly after use. Prevent moisture contact.
- Handling** : Both local exhaust and general room ventilation are usually required.
Wear recommended personal protective equipment.
Do not breathe gas, fumes, vapour or spray.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Respiratory protection** : Local exhaust and general ventilation must be adequate to meet exposure standards. In case of insufficient ventilation, wear suitable respiratory equipment.
 - **Hand protection** : Use neoprene gloves.
 - **Eye protection** : Chemical goggles or face shield with safety glasses.
 - **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- Occupational Exposure Limits** : Naphta heavy (low boiling point hydrogen treated) : TLV-TWA [mg/m3] : 1000
Solvent naphta medium aliphatic : Straight run kerosine : TLV-TWA [mg/m3] : 720
Tetraethyl silicate : TLV-TWA [mg/m3] : 85
Tetraethyl silicate : TLV-TWA [ppm] : 10

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
- Colour** : Colourless to light yellow.
- Density [kg/m3]** : 800 to 820
- Flash point [°C]** : > 21

10 STABILITY AND REACTIVITY

- Hazardous decomposition products** : When heated to decomposition, emits toxic fumes.
- Materials to avoid** : Acids. Oxidizing agents.
- Conditions to avoid** : All heat sources, including direct sunlight.

11 TOXICOLOGICAL INFORMATION

- **Inhalation** : May cause irritation to the respiratory tract and to other mucous membranes.
- **Dermal** : Repeated exposure may cause skin dryness or cracking.
Repeated dermal contact with material can lead to defatting of the skin.
- **Ocular** : Severe eye irritant.
- **Ingestion** : Harmful : may cause lung damage if swallowed.
May result in aspiration into the lungs, causing chemical pneumonia.

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12 ECOLOGICAL INFORMATION

On product : This product contains hazardous components for the aquatic environment.

13 DISPOSAL CONSIDERATIONS

Disposal : Dispose of this material and its container at hazardous or special waste collection point.

14 TRANSPORT INFORMATION

- UN No. : 1993
 - H.I. nr : 30
ADR/RID
 - Proper shipping name : FLAMMABLE LIQUID, N.O.S. (Isobutyl trimethoxysilane, Ethylpolysilicate)
 - ADR Class : 3
 - ADR Packing group : III
Hazard Label(s)



: Label 3 : Flammable liquid.

15 REGULATORY INFORMATION

Symbol(s)



: Harmful.

R Phrase(s)

: R10 - Flammable.
 R65 - Harmful : may cause lung damage if swallowed.
 R66 - Repeated exposure may cause skin dryness or cracking.

S Phrase(s)

: S03 - Keep in a cool place.
 S16 - Keep away from sources of ignition - No smoking.
 S23 - Do not breathe gas/fumes/vapour/spray.
 S23 - Do not breathe spray.
 S35 - This material and its container must be disposed of in a safe way.
 S37 - Wear suitable gloves.
 S51 - Use only in well-ventilated areas.
 S62 - If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

16 OTHER INFORMATION

Further information : Specifications and technical information on the product may be obtained by your dealer.

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

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