



SAFETY DATA SHEET Grout Protector

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Grout Protector

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

Identified uses Grout Protector/Sealer
Uses Advised Against Any use other than those identified.

1.3. Details of the supplier of the safety data sheet

Supplier: LTP
 Tone Industrial Estate
 Milverton Road
 Wellington
 Somerset
 TA21 0AN
 Tel: 01823 666213
 Fax: 01823 665685

1.4. Emergency telephone number

0870 190 6777

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	EUH066; Asp. Tox. 1 - H304
Environment	Aquatic Chronic 2 - H411

Classification (1999/45/EEC) Xn;R65. N;R51/53. R10, R66.

Human Health

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Physical And Chemical Hazards

Flammable or explosive vapour/air mixtures may be formed.

2.2. Label elements

Contains: White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

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Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P102+405	Store locked up. Keep out of reach of children.
P273	Avoid release to the environment.
P210c	Keep away from open flames. - No smoking.
P280a	Wear protective gloves.
P301+330+331+313	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.
P501B	Dispose of contents/container to hazardous waste collection point.

Supplementary Precautionary Statements

P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403	Store in a well-ventilated place.
	Keep away from food, drink and animal feedingstuffs.

Supplemental Label Information (EU)

EUH066	Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))	60-95%
CAS-No.: 64742-82-1	EC No.: 265-185-4
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66.
1,2,4-TRIMETHYLBENZENE	5-10%
CAS-No.: 95-63-6	EC No.: 202-436-9
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT Single 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R20 Xi;R36/37/38 N;R51/53
XYLENE	1-5%
CAS-No.: 1330-20-7	EC No.: 215-535-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38

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CUMENE	1-5%
CAS-No.: 98-82-8	EC No.: 202-704-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R65 Xi;R37 N;R51/53

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

If unconscious or breathing is irregular place on their side in the recovery position and ensure their airways are clear. Artificial respiration may be administered by suitably qualified first-aiders if the patient is unconscious or breathing is difficult.

Get immediate medical attention.

Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

Skin Contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye Contact

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get immediate medical attention.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Extinguish with foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use high pressure water jet as this may spread burning material.

5.2. Special hazards arising from the substance or mixture

Specific Hazards

Fire emits clouds of smoke which may contain toxic vapours, gases and fumes.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

Protective Measures In Fire

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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6.1. Personal precautions, protective equipment and emergency procedures

Do not smoke, use open fire or other sources of ignition. Provide adequate ventilation. Ventilate to dispel residual vapour. Clean-up personnel should use respiratory protection, gloves, goggles and protective clothing and footwear. (see section 8)

6.2. Environmental precautions

Do not allow spilled material to enter drains or water courses.

Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable absorbent material. Prevent further spillage if safe to do so.

In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Absorb in vermiculite, sand, diatomaceous earth or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from: Acids. Oxidising material.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,2,4-TRIMETHYLBENZENE	WEL	25 ppm	125 mg/m ³			
CUMENE	WEL	25 ppm	125 mg/m ³	50 ppm	250 mg/m ³	Sk
White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))	WEL		1000 mg/m ³			
XYLENE	WEL	50 ppm	220 mg/m ³	100 ppm	441 mg/m ³	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

If ventilation is insufficient suitable respiratory protection must be provided.

Seek recommendations and advice from equipment manufacturer or supplier.

Hand Protection

Avoid prolonged or repeated contact, use suitable protective gloves made of Nitrile. Wear suitable protective gloves conforming to EN 374.

The actual level of protection provided by protective gloves can be difficult to assess. Effective breakthrough times should be used with care and a margin of safety should be applied. HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests.

Seek advice from manufacturer or supplier.

Personal hygiene is a factor in effective hand care. Gloves should only be worn on clean hands. After using gloves hands should be washed and dried thoroughly and a non-perfumed moisturiser applied.

Eye Protection

Wear approved safety goggles.

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Other Protection

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

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet.

Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid
Odour	Hydrocarbon
Solubility	Immiscible with water
Initial Boiling Point and Boiling Range:	150 - 200 °C. @ 760mm Hg.
Relative Density	0.785 @ 15°C
Vapour Pressure	<10 mbar @ 37.8°C
Viscosity	0.85 cSt @ 25°C
Flash Point (°C)	>40°C
Auto Ignition Temperature (°C)	approx 230°C
Flammability Limit - Lower(%)	0.6
Flammability Limit - Upper(%)	8.0

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

None known.

10.4. Conditions to avoid

Avoid contact with acids and oxidising substances. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

10.6. Hazardous decomposition products

In conditions of fire or excessive heat gives off toxic fumes and gases, including oxides of carbon and nitrogen and various hydrocarbon fragments.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50 >2000 mg/kg (oral rat)

Toxicological Information

Health effects of this preparation have not been determined. Data given refer to the major component.

Inhalation

Exposure to solvent vapours may cause irritation of the throat, respiratory system and mucous membranes and have adverse effects on the kidneys, liver and central nervous system.

Symptoms can include headache, dizziness, drowsiness, fatigue, and muscular weakness, In extreme cases resulting in loss of consciousness.

Patients should be kept under observation as symptoms may occur well after exposure.

Ingestion.

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Absorption can cause sleepiness, intoxication and pulmonary oedema.

Skin Contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

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Eye Contact

May cause severe irritation to eyes.

Target Organs

Skin Eyes Respiratory system, lungs

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.

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l 10

12.2. Persistence and degradability

Degradability:

The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative Potential:

The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

Mobility:

The product contains substances, which are insoluble in water and which may spread on water surfaces. Contamination will evaporate from the surface of water and soils.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Empty but unlaundered containers must be treated in the same manner as when full; labels should not be removed.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

14.2 UN Proper shipping name

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (White Spirit : (naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene))

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

Transport Labels

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14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS	F-E, S-E
Emergency Action Code	•3YE
Hazard No. (ADR)	30
Tunnel Restriction Code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l15.pdf>

Guidance Notes

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

The storage of flammable liquids in containers HSG51 (HSE 1998).

EU Legislation

EC Regulation 1907/2006 (as amended) : 'REACH'.

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures).

ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

Water Hazard Classification

N/A.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Comments

No previous version.

Revision Date 19-AUG-11 - Rev 01: 01012

Revision 01 dated 19-AUG-11

Grout Protector

Risk Phrases In Full

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

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.