

**SAFETY DATA SHEET****LTP Grout & Tile Protector 600ml Aerosols****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name** LTP Grout & Tile Protector 600ml Aerosols  
**Product number** 1761

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

Sealant.

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

**Supplier** LTP  
Tone Ind Est  
Milverton Road  
Wellington  
Somerset  
TA21 0AN  
Tel: +44 (0) 01823 666213, Email: info@ltp-online.co.uk

**1.4. Emergency telephone number**

+44 (0) 1823 666213 (MON TO FRI 8.30 - 17:30)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Aerosol 1 - H222, H229

**Health hazards**

Skin Irrit. 2 - H315 STOT SE 3 - H336

**Environmental hazards**

Aquatic Chronic 2 - H411

**Human health**

Vapours and spray/mists in high concentrations are narcotic.

**Environmental**

The product contains a substance which is toxic to aquatic organisms.

**Physicochemical**

Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable.

Vapours may form explosive mixtures with air.

**2.2. Label elements****Pictogram**

**LTP Grout & Tile Protector 600ml Aerosols****Signal word** Danger**Hazard statements**

H222 Extremely flammable aerosol.  
 H229 Pressurised container: may burst if heated  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.  
 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.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Contains**

HEPTANE, N-BUTYL ACETATE, HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

**Supplementary precautionary statements**

P264 Wash contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P321 Specific treatment (see medical advice on this label).  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with national regulations.

**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>HEPTANE</b>	<b>60-100%</b>
<b>CAS number:</b> 64742-49-0 <b>EC number:</b> 927-510-4 <b>REACH registration number:</b> 01-2119475515-33-XXXX	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
STOT SE 3 - H336	
Aquatic Chronic 2 - H411	

## LTP Grout &amp; Tile Protector 600ml Aerosols

<b>PETROLEUM GASES, LIQUEFIED</b>	<b>10-30%</b>
<b>CAS number:</b> 68476-85-7 <b>EC number:</b> 270-704-2	
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas, Compressed - H280	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>N-BUTYL ACETATE</b>	<b>5-10%</b>
<b>CAS number:</b> 123-86-4 <b>EC number:</b> 204-658-1 <b>REACH registration number:</b> 01-2119485493-29-XXXX	
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)</b>	<b>1-5%</b>
<b>CAS number:</b> 64742-82-1 <b>EC number:</b> 919-446-0	
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>1,2,4-trimethylbenzene</b>	<b>&lt;1%</b>
<b>CAS number:</b> 95-63-6 <b>EC number:</b> 202-436-9	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>XYLENE</b>	<b>&lt;1%</b>
<b>CAS number:</b> 1330-20-7 <b>EC number:</b> 215-535-7 <b>REACH registration number:</b> 01-2119488216-32-XXXX	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R65, R48/20/21/22, R20/21. Xi; R36/37/38. R10

## LTP Grout & Tile Protector 600ml Aerosols

<b>cumene</b>	<b>&lt;1%</b>
<b>CAS number:</b> 98-82-8 <b>EC number:</b> 202-704-5	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	
Asp. Tox. 1 - H304	
STOT SE 3 - H335	
Aquatic Chronic 2 - H411	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

##### Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.

##### Ingestion

Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

##### Skin contact

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

##### Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

##### Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

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

##### General information

See Section 11 for additional information on health hazards.

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

##### Notes for the doctor

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam, carbon dioxide or dry powder.

#### 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.

#### 5.3. Advice for firefighters

##### Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

### SECTION 6: Accidental release measures

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

##### Personal precautions

## - LTP Grout & Tile Protector 600ml Aerosols

Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

### 6.2. Environmental precautions

#### Environmental precautions

Avoid discharge into drains.

### 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.

### 6.4. Reference to other sections

#### Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

#### Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated.

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

#### Storage precautions

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### N-BUTYL ACETATE

Short-term exposure limit (15-minute): WEL 966 mg/m<sup>3</sup> 200 ppm

Long-term exposure limit (8-hour TWA): WEL 724 mg/m<sup>3</sup> 150 ppm

##### XYLENE

Short-term exposure limit (15-minute): WEL 441 mg/m<sup>3</sup> 100 ppm

Long-term exposure limit (8-hour TWA): WEL 220 mg/m<sup>3</sup> 50 ppm

WEL = Workplace Exposure Limit.

## LTP Grout & Tile Protector 600ml Aerosols

### XYLENE (CAS: 1330-20-7)

#### **DNEL**

Consumer - Dermal; Long term systemic effects: 108 mg/kg/day Workers - Dermal; Long term systemic effects: 180 mg/kg/day Consumer - Inhalation; Short term local effects: 174 mg/m<sup>3</sup> Consumer - Inhalation; Short term systemic effects: 174 mg/m<sup>3</sup> Workers - Inhalation; Short term systemic effects: 289 mg/m<sup>3</sup> Workers - Inhalation; Short term local effects: 289 mg/m<sup>3</sup> Consumer - Inhalation; Long term systemic effects: 14.8 mg/m<sup>3</sup> Workers - Inhalation; Long term systemic effects: 77

### N-BUTYL ACETATE (CAS: 123-86-4)

#### **DNEL**

Consumer - Inhalation; Short term local effects: 859.7 mg/m<sup>3</sup> Consumer - Inhalation; Short term systemic effects: 859.7 mg/m<sup>3</sup> Workers - Inhalation; Short term systemic effects: 960 mg/m<sup>3</sup> Workers - Inhalation; Short term local effects: 960 mg/m<sup>3</sup> Consumer - Inhalation; Long term local effects: 102.34 mg/m<sup>3</sup> Workers - Inhalation; Long term local effects: 480 mg/m<sup>3</sup> Consumer - Inhalation; Long term systemic effects: 102.34 mg/m<sup>3</sup> Workers - Inhalation; Long term systemic effects:

#### **PNEC**

- Fresh water; 0.18 mg/l - Sediment (Freshwater); 0.981 mg/kg - Sediment (Marinewater); 0.981 mg/kg - Marine water; 0.018 mg/l - STP; 35.6 mg/l - Soil; 0.0903 mg/kg

### HEPTANE (CAS: 64742-49-0)

#### **DNEL**

Consumer - Oral; Long term systemic effects: 149 mg/kg/day Consumer - Dermal; Long term systemic effects: 149 mg/kg/day Workers - Dermal; Long term systemic effects: 300 mg/kg/day Consumer - Inhalation; Long term systemic effects: 447 mg/m<sup>3</sup> Workers - Inhalation; Long term systemic effects: 2085 mg/m<sup>3</sup>

## **8.2. Exposure controls**

### **Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

### **Hand protection**

No specific hand protection recommended.

### **Other skin and body protection**

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

### **Respiratory protection**

No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

## **SECTION 9: Physical and Chemical Properties**

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

#### **Appearance**

Aerosol.

#### **Colour**

Clear.

#### **Odour**

Solvents

#### **Odour threshold**

No information available.

#### **pH**

No information available.

#### **Melting point**

No information available.

#### **Initial boiling point and range**

-41 (-41 TO 170)°C @

## LTP Grout & Tile Protector 600ml Aerosols

**Flash point**

-40°C CC (Closed cup).

**Evaporation rate**

No information available.

**Evaporation factor**

No information available.

**Flammability (solid, gas)**

No information available.

**Upper/lower flammability or explosive limits**

Lower flammable/explosive limit: 0.7 % Upper flammable/explosive limit: 10.4 %

**Vapour pressure**

No information available.

**Vapour density**

No information available.

**Relative density**

0.683

**Solubility(ies)**

Insoluble in water.

**Partition coefficient**

No information available.

**Auto-ignition temperature**

235°C

**Decomposition Temperature**

No information available.

**Viscosity**

No information available.

**Oxidising properties**

No information available.

**9.2. Other information****Other information**

None.

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**SECTION 10: Stability and reactivity****10.1. Reactivity****Reactivity**

No test data specifically related to reactivity available for this product or its ingredients.

**10.2. Chemical stability****Stability**

The product may not be stable under some conditions of storage or use.

**10.3. Possibility of hazardous reactions****Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid****Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

**10.5. Incompatible materials**

## LTP Grout & Tile Protector 600ml Aerosols

### Materials to avoid

None known.

### 10.6. Hazardous decomposition products

#### Hazardous decomposition products

None at ambient temperatures.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Inhalation

Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

#### Skin contact

Causes skin irritation.

#### Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

#### Acute and chronic health hazards

No known chronic or acute health risks.

#### Route of entry

Inhalation Dermal

#### Toxicological information on ingredients.

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

#### Acute toxicity - oral

##### Acute toxicity oral (LD50 mg/kg)

15,001.0

##### Species

Rat

##### ATE oral (mg/kg)

15,001.0

#### Acute toxicity - dermal

##### Acute toxicity dermal (LD50 mg/kg)

3401.0

##### Species

Rat

##### ATE dermal (mg/kg)

3401.0

#### Acute toxicity - inhalation

##### Acute toxicity inhalation (LC50 vapours mg/l)

13101.0

##### Species

Rat

##### ATE inhalation (vapours mg/l)

13101.0



**LTP Grout & Tile Protector 600ml Aerosols****XYLENE****Acute toxicity - dermal****ATE dermal (mg/kg)**

1100

**Acute toxicity - inhalation****ATE inhalation (vapours mg/l)**

11.0

**N-BUTYL ACETATE****Acute toxicity - oral****Acute toxicity oral (LD50 mg/kg)**

10,760.0

**Species**

Rat

**ATE oral (mg/kg)**

10,760.0

**Acute toxicity - dermal****Acute toxicity dermal (LD50 mg/kg)**

14113.0

**Species**

Rabbit

**ATE dermal (mg/kg)**

14113.0

**Acute toxicity - inhalation****Acute toxicity inhalation (LC50 vapours mg/l)**

23.4

**Species**

Rat

**ATE inhalation (vapours mg/l)**

23.4

**HEPTANE****Acute toxicity - oral****Acute toxicity oral (LD50 mg/kg)**

5,001.0

**Species**

Rat

**ATE oral (mg/kg)**

5,001.0

**Acute toxicity - dermal****Acute toxicity dermal (LD50 mg/kg)**

2001.0

**Species**

Rabbit

**ATE dermal (mg/kg)**

2001.0

**SECTION 12: Ecological Information****12.1. Toxicity**

## LTP Grout & Tile Protector 600ml Aerosols

### Ecological information on ingredients.

#### XYLENE

##### Acute toxicity - fish

LOEC, : >1 - <10 mg/l, Fish

##### Acute toxicity - aquatic plants

LOEC, : >1 - <10 mg/l, Algae

#### N-BUTYL ACETATE

##### Acute toxicity - fish

LC<sub>50</sub>, 24 hours: 54 mg/l, Fish LC<sub>50</sub>, 96 hours: 18 mg/l, Pimephales promelas (Fat-head Minnow)

##### Acute toxicity - aquatic invertebrates

EC<sub>50</sub>, 48 hours: 44 mg/l, Daphnia magna

##### Acute toxicity - aquatic plants

EC<sub>50</sub>, 72 hours: 647.7 mg/l, Scenedesmus subspicatus

#### HEPTANE

##### Acute toxicity - fish

NOEC, : 1-10 mg/l, Fish

##### Acute toxicity - aquatic plants

LOEC, : 10-100 mg/l, Algae

##### Acute toxicity - microorganisms

LOEC, : 1-10 mg/l, Activated sludge

### 12.2. Persistence and degradability

#### Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

#### Partition coefficient

No information available.

### 12.4. Mobility in soil

#### Mobility

No data available

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### General information

Dispose of waste product or used containers in accordance with local regulations

#### Disposal methods

Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

**LTP Grout & Tile Protector 600ml Aerosols**

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 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

**Transport labels****14.4. Packing group**

Not applicable.

**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

Tunnel restriction code (D)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 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).

**EU legislation**

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). 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

**15.2. Chemical safety assessment**

## LTP Grout & Tile Protector 600ml Aerosols

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Revision date** 24/06/2014

**Revision** 1

**SDS number** 4768

**Hazard statements in full**

H220 Extremely flammable gas.  
H222 Extremely flammable aerosol.  
H225 Highly flammable liquid and vapour.  
H226 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.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
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