



## SAFETY DATA SHEET

LTP MOULDEX PAVING CLEANER & LTP MOULDEX SPRAY

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Compilation date: 08/05/2017

Revision date: 04/05/2018

Revision No: 5

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

#### 1.1. Product identifier

**Product name:** LTP MOULDEX PAVING CLEANER & LTP MOULDEX SPRAY

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

**Use of substance / mixture:** Household removal of mould and mildew. Advised against any other use than those identified.

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

**Manufacture:**

J.V. Barrett & Co Ltd  
St Ivel way  
Warmley  
Bristol  
BS30 5TY  
United Kingdom  
**Email:** [sales@barrettine.co.uk](mailto:sales@barrettine.co.uk)

**Marketing Company & Exclusive Distributor:**

LTP  
Tone Industrial Estate  
Milverton  
Wellington  
Somerset, TA21 0AN  
**Tel:** 01823 666213  
**Fax:** 01823 665685  
**Email:** [info@ltp-online.co.uk](mailto:info@ltp-online.co.uk)

#### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.)  
+44 (0) 1270 502891 (Out of hours emergency number)

### Section 2: Hazards identification

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

**Classification under CLP:** \* Skin Corr. 1B: H314; Aquatic Acute 1: H400

**Most important adverse effects:** Causes severe skin burns and eye damage. Very toxic to aquatic life.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** \* H314: Causes severe skin burns and eye damage.  
H400: Very toxic to aquatic life.

**Hazard pictograms:** \* GHS05: Corrosion  
GHS09: Environmental

[cont...]

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**Signal words:** \* Danger

**Precautionary statements:** \* P102: Keep out of reach of children.

P260: Do not breathe vapours/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P391: Collect spillage.

P405: Store locked up.

P501: Dispose of contents/container to hazardous or special waste collection point.

## 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### \* Hazardous ingredients:

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE - REACH registered number(s): 01-2119488154-34-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-668-3	7681-52-9	-	Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031	1-10%

N,N-DIMETHYLTETRADECYLAMINE N-OXIDE - REACH registered number(s): 01-2119949262-37-XXXX

222-059-3	3332-27-2	-	Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Acute Tox. 4: H302; Skin Irrit. 2: H315	1-10%
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**Contains:** \* SODIUM HYPOCHLORITE SOLUTION; N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

## Section 4: First aid measures

### 4.1. Description of first aid measures

[cont...]

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## Skin contact:

\* Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** \* Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** \* Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** \* Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

### Skin contact:

\* Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** \* Corneal burns may occur. May cause permanent damage.

**Ingestion:** \* Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** \* There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

### 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:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

### 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.

[cont...]

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## Section 6: Accidental release measures

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

**Personal precautions:** \* If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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:** \* Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

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

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. 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. The floor of the storage room must be impermeable to prevent the escape of liquids.

**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:**

**SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	0.5 ppm (1.5mg/m <sup>3</sup> )	-	-

### DNEL/PNEC Values

**Hazardous ingredients:**

[cont...]

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## SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	1.55 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose)	1.55 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Inhalation	3.1 mg/m <sup>3</sup>	Workers	Local
DNEL	Inhalation	3.1 mg/m <sup>3</sup>	General Population	Local
DNEL	Inhalation (repeated dose)	1.55 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose)	1.55 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Inhalation	3.1 mg/m <sup>3</sup>	Workers	Local
DNEL	Inhalation	3.1 mg/m <sup>3</sup>	General Population	Local
DNEL	Oral (repeated dose)	260 µg/kg	General Population	Systemic
PNEC	Fresh water	210 ng/l	-	-
PNEC	Marine water	42 ng/l	-	-
PNEC	Microorganisms in sewage treatment	4.69 mg/l	-	-

## N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	6.2 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	11mg/Kg/day	Workers	Systemic
DNEL	Inhalation	1.53 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal	5.5 mg/Kg/day	General Population	Systemic
DNEL	Oral	0.44 mg/Kg/day	General Population	Systemic
PNEC	Fresh water	0.0335mg/L	-	-
PNEC	Marine water	0.00335 mg/L	-	-
PNEC	Marine sediments	0.0335mg/L	-	-
PNEC	Fresh water sediments	5.24 mg/Kg	-	-
PNEC	Marine sediments	0.524 mg/Kg	-	-
PNEC	Soil (agricultural)	1.02 mg/Kg	-	-
PNEC	Microorganisms in sewage treatment	24 mg/Kg	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** \* Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** \* Impermeable gloves.

**Eye protection:** \* Tightly fitting safety goggles. Ensure eye bath is to hand.

[cont...]

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**Skin protection:** \* Impermeable protective clothing.

**Environmental:** \* The floor of the storage room must be impermeable to prevent the escape of liquids.

## Section 9: Physical and chemical properties

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

**State:** Liquid/Spray

**Colour:** Colourless

**Odour:** Chlorine. Bleach

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Soluble

**Viscosity:** No data available.

**Boiling point/range°C:** No data available.

**Melting point/range°C:** No data available.

**Flammability limits %:** No data available.  
**lower:**

**upper:** No data available.

**Flash point°C:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 1.04

**pH:** No data available.

**VOC g/l:** No data available.

### 9.2. Other information

**Other information:** Not applicable.

## 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.

### 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.

### 10.5. Incompatible materials

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

[cont...]

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## 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:**

#### SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

DERMAL	RBT	LD50	20000	mg/kg
ORAL	RAT	LD50	1100	mg/kg
ORL	MUS	LD50	5800	mg/kg

#### N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

DERMAL	RAT	LD50	2000	mg/kg
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**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** \* Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** \* Corneal burns may occur. May cause permanent damage.

**Ingestion:** \* Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** \* There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

DAPHNIA	96H LC50	0.01-0.1	mg/l
FISH	48H EC50	0.01-0.1	mg/l

#### N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

ALGAE	48H EC50	0.19	mg/l
DAPHNIA	48H EC50	2.64	-
FISH	96H LC50	2.4	mg/l

[cont...]

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## 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** 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:** Toxic to aquatic organisms. Avoid release to the environment.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

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

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**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:** \* UN1760

### 14.2. UN proper shipping name

**Shipping name:** \* CORROSIVE LIQUID, N.O.S.  
(SODIUM HYPOCHLORITE SOLUTION; N,N-DIMETHYLTETRADECYLAMINE  
N-OXIDE)

### 14.3. Transport hazard class(es)

**Transport class:** \* 8

### 14.4. Packing group

**Packing group:** \* III

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** \* Yes

[cont...]



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## 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** \* E

**Transport category:** \* 3

**IMDG seg. group:**

## Section 15: Regulatory information

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

**Specific regulations:** \* Retail packs require a child resistant closure to BS EN ISO 28317 and a tactile warning triangle.

### 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.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

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

**Phrases used in s.2 and s.3:** EUH031: Contact with acids liberates toxic gas.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

**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.

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