SAFETY DATA SHEET
Mouldex & Mouldex Paving Cleaner

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Mouldex & Mouldex Paving Cleaner

SDS number 11410

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

Identified uses Household removal of mould and mildew.

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
email: info@ltp-online.co.uk

1.4. Emergency telephone number +44 (0) 1270 502891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Not Classified

Health hazards
Skin Irrit. 2 - H315

Environmental hazards
Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC)
R31.

Human health
Splashes in the eyes may cause redness and irritation.

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

Physicochemical
Resultant solution may be highly alkaline and possess a pH of ≥10.5.

2.2. Label elements

Pictogram

Mouldex & Mouldex Paving Cleaner


Signal word Warning

Hazard statements

H315 Causes skin irritation.
H400 Very toxic to aquatic life.

Precautionary statements

P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash contaminated skin thoroughly after handling.
P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P260 Do not breathe gas, fume, vapours or spray.

Supplemental label information

EUH031 Contact with acids liberates toxic gas.

Supplementary precautionary statements

P273 Avoid release to the environment.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local 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

sodium hypochlorite **1-5%**

CAS number: 7681-52-9 **EC number:** 231-668-3
M factor (Acute) = 10

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	C;R34 R31 N;R50

STEOL CS-230 HA **1-5%**

CAS number: — **EC number:** —

Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	

myristyldimethylamine oxide	**<1%**
CAS number: 3332-27-2 **EC number:** 222-059-3	
M factor (Acute) = 1	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Eye Dam. 1 - H318	Xi;R41. N;R51.
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	

SODIUM HYDROXIDE	**<1%**
CAS number: 1310-73-2 **EC number:** 215-185-5 **REACH registration number:** 01-2119457892-27-XXXX	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Met. Corr. 1 - H290	C;R35
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	

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

Effects may be delayed. Keep affected person under observation.

Inhalation

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

Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists 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 particles.
Get medical attention if any discomfort or irritation persists.

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

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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 protective equipment for firefighters

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

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary people at a safe distance.

6.2. Environmental precautions

Environmental precautions

Cover all drains and sewers. Avoid spreading spilled material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent 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

Usage precautions

Prevent spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from light.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL
Short-term exposure limit (15-minute): WEL 2 mg/m3

WEL = Workplace Exposure Limit

sodium hypochlorite (CAS: 7681-52-9)

DNEL	Consumer - Inhalation; Short term systemic effects: 3.1 mg/m3 Consumer - Inhalation; Short term local effects: 3.1 mg/m3 Consumer - Inhalation; Long term systemic effects: 1.55 mg/m3 Consumer - Oral; Long term systemic effects: 0.26 mg/kg/day
PNEC	- Fresh water; 0.00021 mg/l - Marine water; 0.000042 mg/l - Intermittent release; 0.00026 mg/l - STP; 0.03 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Industry - Inhalation; Long term local effects: 1 mg/m3 Consumer - Inhalation; Long term local effects: 1 mg/m3

8.2. Exposure controls

Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles.

Hand protection

Wear protective gloves. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

Hygiene measures

Provide eyewash station. Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. Promptly remove any clothing that becomes contaminated. Launder clothing before reuse.

Respiratory protection

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

Colourless liquid.

Odour

Chlorine. Bleach

pH

pH (concentrated solution): >12

Flash point

Technically not feasible. Aqueous solution.

Relative density

ca. 1.04 @ °C

Solubility(ies)

Completely miscible with water.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability

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

Known dangerous reactions Avoid unintended contact with strong acids.

10.3. Possibility of hazardous reactions

Not relevant.

10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials

Materials to avoid

Strong acids.

10.6. Hazardous decomposition products

Fires or excessive heat may give off toxic fumes and gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No data are available for this product. It has been classified according to the calculation procedure of the EC Dangerous Preparations Directive using known information and calculated data about the individual components then read across to the Classification, Labelling and Packaging of substances and mixtures directive (as amended).

Inhalation

Vapours may irritate throat/respiratory system. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing.

Ingestion

May cause chemical burns in mouth and throat.

Skin contact

Liquid may irritate skin.

Eye contact

May cause severe eye irritation.

Target organs

Eyes Skin

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

Limited data is available for this preparation as supplied . Classified according to the calculation procedure of the EC Classification, Labelling & Packaging Regulation using available data and information about individual components.

12.2. Persistence and degradability

Persistence and degradability

The product is expected to be slowly biodegradable.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Do not dispose to landfill or watercourses.

Disposal methods

Product is intended for household use. Small quantities may be disposed of by emptying into the drain whilst carefully flushing away with running water. Larger quantities should be diposed of in accordance with local authority requirements.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1908
UN No. (IMDG)	1908
UN No. (ICAO)	1908
UN No. (ADN)	1908

14.2. UN proper shipping name

Mouldex & Mouldex Paving Cleaner

Proper shipping name (ADR/RID)	CHLORITE SOLUTION
Proper shipping name (IMDG)	CHLORITE SOLUTION
Proper shipping name (ICAO)	CHLORITE SOLUTION
Proper shipping name (ADN)	CHLORITE SOLUTION

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels

14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(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

National regulations

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).
Control of Substances Hazardous to Health Regulations (as amended). (COSHH) Refer to Revised guidance 6th Edition 2013 http://www.hse.gov.uk/pubns/priced/l5.pdf
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

EU legislation

ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.) 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 amended). 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). EC Regulation 648/2004 on Detergents.

Guidance

COSHH essentials. 'Easy steps to control chemicals.' Only available on HSE's website and regularly updated at http://www.hse.gov.uk/pubns/guidance/index.htm Introduction to Local Exhaust Ventilation HS(G)37. Maintenance, examination and testing of local exhaust ventilation HSG154 (HSE 1998). Workplace Exposure Limits EH40/2007 (as amended). Approved Classification and Labelling guide (Sixth edition). Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4). HSE Books, or download at: http://www.hse.gov.uk/pubns/books/l131.htm 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/l5.pdf

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data

Classification & Labelling derived by consideration of available REACH Registration data, CLP Classification Inventory and Manufacturer's data..

Revision comments

Classification calculated in accordance with CLP (EC 1272/2008).

Revision date	12/02/2015
Revision	2
Supersedes date	11/02/2015

Risk phrases in full

R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R35 Causes severe burns.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R51 Toxic to aquatic organisms.

Hazard statements in full

H290 May be corrosive to metals.
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.