

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

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

Product identifier:

Product name: LIQUID ALKALI

Relevant identified uses of the substance or mixture and uses advised against:

Company name: Nexchem Ltd
Unit 3 Barshaw Park
Leycroft Road
Leicester
LE4 1ET
Tel: 0116 2311130
24/7 Emergency Tel: 0800 246 1274
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification under CHIP: C: R35

Most important adverse effects: Causes severe burns.

Label elements:

Label elements under CHIP:

Hazard symbols: Corrosive.



Risk phrases: R35: Causes severe burns.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards:

PBT: This substance is not identified as a PBT substance.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Hazardous ingredients:

POTASSIUM HYDROXIDE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
215-181-3	1310-58-3	Xn: R22; C: R35	Acute Tox. 4: H302; Skin Corr. 1A:H314	10-30%

4. FIRST AID MEASURES

Description of first aid measures:

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.

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.

Indication of any immediate medical attention and special treatment needed:

Immediate / special treatment:

Eye bathing equipment should be available on the premises.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

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

Special hazards arising from the substance or mixture:

Exposure hazards:

Corrosive. In combustion emits toxic fumes.

Advice for fire-fighters:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Notify the police and fire brigade immediately. 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.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

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.

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

7. HANDLING AND STORAGE

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.

Conditions for safe storage, including any incompatibilities:

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Specific end use(s): No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Hazardous ingredients: POTASSIUM HYDROXIDE

Workplace exposure limits:

State	8 hour TWA		Respirable dust	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	2 mg/m ³	-	-

Exposure controls:

Engineering measures: Ensure there is sufficient ventilation of the area.

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.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

State: Liquid

Other information: Not applicable.

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10. STABILITY AND REACTIVITY

- Reactivity:** Stable under recommended transport or storage conditions.
- Chemical stability:** Stable under normal conditions.
- Possibility of hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.
- Conditions to avoid:** Heat.
- Incompatible materials:** Strong oxidising agents. Strong acids.
- Hazardous decomposition products:** In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Relevant effects for mixture:

Effect	Route	Basis
Corrosivity	OPT INH DRM	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.

12. ECOLOGICAL INFORMATION

Toxicity:

Ecotoxicity values: Not applicable.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Mobility in soil: Readily absorbed into soil.

Results of PBT and vPvB assessment:

PBT identification: This substance is not identified as a PBT substance.

Other adverse effects: Negligible ecotoxicity.

[cont...]

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13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

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

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

UN number: UN1719

UN proper shipping name

Shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (contains Potassium hydroxide)

Transport hazard class (es):

Transport class: 8

Packing group: II

Environmentally hazardous: No **Marine pollutant:** No

Special precautions for user:

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

15. REGULATORY INFORMATION

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

Phrases used in s.2 and 3: H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
R22: Harmful if swallowed.
R35: Causes severe burns.

[cont...]

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Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.