



SAFETY DATA SHEET
HYDROKLEEN

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

Product name: HYDROKLEEN
Company name: Advanced Engineering Ltd
Guardian House
Stroudley Road
Basingstoke
Hampshire
RG24 8NL
United Kingdom
Tel: +44(0)1256460300
Fax: +44(0)1256462266
Emergency tel: +44(0)1256854318
Email: sales@advancedengineering.co.uk

2. HAZARDS IDENTIFICATION

Main hazards: Causes severe burns.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SODIUM HYDROXIDE 10-30%
EINECS: 215-185-5 CAS: 1310-73-2
[C] R35

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Severe burns may occur.
Eye contact: There may be severe pain. The eyes may water profusely.
Ingestion: Corrosive burns may appear around the lips. There may be difficulty swallowing.
Inhalation: There may be shortness of breath with a burning sensation in the throat.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.
Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion: Do not induce vomiting. Wash out mouth with water. Transfer to hospital as soon as possible.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
Exposure hazards: Corrosive.

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Protection of fire-fighters: Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Remove all incompatible materials as outlined in section 10 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area.

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

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: SODIUM HYDROXIDE
WEL (15 min STEL): 2 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Face-shield.

Skin protection: Protective clothing, PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Dark green

Odour: Characteristic odour

Evaporation rate: Slow

Solubility in water: Miscible in all proportions

Viscosity: Viscous

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Acids.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: SODIUM HYDROXIDE
IPR MUS LD50 40 mg/kg
ORL RBT LDLO 500 mg/kg

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Chronic toxicity: May cause sensitisation by skin contact.**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Mobility:** Soluble in water.**Persistence and degradability:** No data available.**Bioaccumulative potential:** No data available.**Other adverse effects:** Harmful to fauna.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** D10 Incineration on land.**Disposal of packaging:** 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****ADR / RID****UN no:** 1824**ADR Class:** 8**Packing group:** II**Classification code:** C5**Shipping name:** SODIUM HYDROXIDE SOLUTION**Labelling:** 8**Hazard ID no:** 80**IMDG / IMO****UN no:** 1824**Class:** 8**Packing group:** II**EmS:** F-A,S-B**Marine pollutant:** NO**Labelling:** 8**IATA / ICAO****UN no:** 1824**Class:** 8**Packing group:** II**Packing instructions:** 809(P&CA); 813(CAO)**Labelling:** 8**15. REGULATORY INFORMATION****Hazard symbols:** Corrosive.

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Risk phrases: R35: Causes severe burns.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S23: Do not breathe spray.

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).

S51: Use only in well-ventilated areas.

Haz. ingredients (label): SODIUM HYDROXIDE

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

Risk phrases used in s.3: R35: Causes severe burns.

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.