

# SAFETY DATA SHEET

HYDROKLEEN

Page 1

Issued: 20/08/2003

Revision No: 1

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

**Product name:** HYDROKLEEN

**Use / description of product:** Corrosive, alkaline solutions.

**Company name:** Advanced Engineering Limited

Guardian House

Stroudley Road

Basingstoke

Hampshire

RG24 8NL

United Kingdom

Tel: +44(0) 1256 46 03 00

Fax: +44(0) 1256 46 22 66

Emergency tel: +44(0) 1256 46 03 00

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

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

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Causes severe burns.

## 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.

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

[cont...]

**SAFETY DATA SHEET**

HYDROKLEEN

**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  
STEL (15 min exposure limit): 2 mg/m<sup>3</sup> (OES)

**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 protective device with particle filter.

**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

**Chronic toxicity:** May cause sensitisation by skin contact.

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**SAFETY DATA SHEET**

HYDROKLEEN

**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:** D14 Repackaging prior to submission to any of the operations in this Annex.**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:** 3267**ADR Class:** 8**Packing group:** II**Classification code:** C7**Shipping name:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE)**Labelling:** 8**Hazard ID no:** 80**IMDG / IMO****UN no:** 3267**Class:** 8**Packing group:** II**EmS:** F-A,S-B**Marine pollutant:** .**Labelling:** 8**IATA / ICAO****UN no:** 3267**Class:** 8**Packing group:** II**Packing instructions:** 808(P&CA); 812(CAO)**Labelling:** 8**15. REGULATORY INFORMATION****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.

## SAFETY DATA SHEET

HYDROKLEEN

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**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.2:** 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.