



SAFETY DATA SHEET
Caustic Soda Solution >5%

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME Caustic Soda Solution >5%
 SYNONYMS, TRADE NAMES Sodium Hydroxide Solution, , Vo-ph 8150,
 SUPPLIER UNIVAR LTD
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SDS No. C144

Emergency Contact Number (Office Hours) +441274 377070

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	>5	C;R35

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and drink plenty of water (200-300 ml). Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

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Caustic Soda Solution >5%**PERSONAL PRECAUTIONS**

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and aerosol spray. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Provide good ventilation.

STORAGE PRECAUTIONS

Keep containers tightly closed.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
SODIUM HYDROXIDE	WEL				2 mg/m ³

PROTECTIVE EQUIPMENT**RESPIRATORY EQUIPMENT**

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Goggles/face shield are recommended.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	>100	RELATIVE DENSITY	1.05 - 1.55
pH-VALUE, CONC. SOLUTION	11.5		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

MATERIALS TO AVOID

Strong acids. Other halogenated organics.

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Caustic Soda Solution >5%**11 TOXICOLOGICAL INFORMATION****INHALATION**

Vapours may irritate throat and respiratory system and cause coughing.

INGESTION

May cause chemical burns in mouth, oesophagus and stomach.

SKIN CONTACT

Prolonged contact may cause redness and irritation. Causes burns.

EYE CONTACT

Extreme irritation of eyes and mucous membranes, including burning and tearing. Causes burns.

12 ECOLOGICAL INFORMATION**MOBILITY**

The product is soluble in water.

DEGRADABILITY

The product is expected to be biodegradable.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	SODIUM HYDROXIDE SOLUTION		
UN NO. ROAD	1824	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2W
CEFIC TEC(R) NO.	80GC5-II+III	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	1824
IMDG CLASS	8	IMDG PACK GR.	II
EMS	F-A, S-B	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1824
AIR CLASS	8	AIR PACK GR.	II

15 REGULATORY INFORMATION**LABELLING**

Corrosive

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CONTAINS SODIUM HYDROXIDE

RISK PHRASES

R35 Causes severe burns.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

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 label where possible).

S60 This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16 OTHER INFORMATION

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SAFETY DATA SHEET STATUS

Approved.

DATE 16th April 2007

SIGNATURE Jitendra Panchal

RISK PHRASES IN FULL

R35 Causes severe burns.