



MATERIAL SAFETY DATA SHEET

Revised 23rd October, 2006

CAUSTIC SODA

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material:	CAUSTIC SODA
Synonyms, Trade names:	Sodium Hydroxide. Caustic Soda Pearls.
Application:	To clear blocked waste pipes and drains. Paint stripping. To remove oil or grease from stone floors, tiles etc. An ideal cleaner for dustbins, stables and kennels etc.
Supplier:	R.K. & J. Jones Limited
Address:	Southery Road, Feltwell Thetford, Norfolk, IP26 4EH, UK.
Telephone:	01842 828101

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No:	CAS-No:	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	60-100%	C;R35

The full text for all R-Phrases are Displayed in Section 16

SECTION 3: HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION: C;R35

PHYSICAL AND CHEMICAL HAZARDS

DO NOT MIX WITH ANY OTHER CHEMICALS. Must not be used on Galvanised, Zinc, Aluminium or Acrylic surfaces.

HUMAN HEALTH

Corrosive to skin and eyes. Will cause deep ulceration with subsequent scarring. Causes severe injuries in cases of contact with eyes, dust inhalation or ingestion.

SECTION 4: FIRST AID MEASURES

Inhalation:	Move the exposed person to fresh air at once. Get medical attention.
Ingestion:	DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!
Skin Contact:	Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Continue to rinse for at least 15 minutes and seek medical attention. Chemical burns must be treated by a physician.
Eye contact:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

SECTION 5 : FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXLOSION HAZARDS: Not flammable. Can react with some metals generating hydrogen gas.

PROTECTIVE MEASURES IN FIRE: Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective clothing as specified under section 8 of this safety data sheet – Exposure Controls and Personal Protection.

ENVIRONMENTAL PRECAUTIONS: Do not allow spilled material to enter drains or water courses.

SPILL CLEAN UP METHODS: DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Flush area with plenty of water. Containers with collected spillage must be properly labelled with correct contents and hazards symbol. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Dispose of in accordance with Local Authority Regulations via a licensed waste carrier.

SECTION 7 : HANDLING AND STORAGE

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: Keep containers tightly closed. Store separated from: Acids.

STORAGE CLASS: Corrosive storage

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	LT-ppm	LT-mg/m3	ST-ppm	ST-mg/m3
SODIUM HYDROXIDE	OES				2mg/m3

INGREDIENT COMMENTS

OES = Occupational Exposure Standard



Protective Equipment: Wear Oil resistant gloves and suitable eye protection.

PROCESS CONDITIONS: Provide eyewash, quick drench.

ENGINEERING MEASURES: No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

RESPIRATORY EQUIPMENT: Do not breathe dust. If dust formation is likely, wear dust mask

HAND PROTECTION:	Use full-length gloves. Use protective gloves made of: Neoprene.
EYE PROTECTION:	Wear full face visor or shield
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of skin contact. Wear rubber apron.
HYGIENE MEASURES:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Powder, dust
Colour:	White
Solubility:	Soluble in water
Solubility value (g/100g)	42 (H ₂ O@20°C)
Boiling Point (°C)	1390 760 mm HG
Relative density:	2.13
PH value, diluted solution:	>11.5 @ 1%
Flash Point (°C):	N/A
Melting point (°C):	318
Bulk Density:	1.175 kg/m ³

SECTION 10 : STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperature conditions. Absorbs moisture, carbon dioxide.
CONDITIONS TO AVOID:	Avoid contact with acids. Evolves hydrogen in contact with aluminium and zinc.

HAZARDOUS DECOMPOSITION

PRODUCTS:	Not relevant.
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SECTION 11: TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 – LD 50	500 (10% SOLUTION) mg/kg (oral rat)
Inhalation:	Inhalation may result in severe burns to the respiratory tract.
Ingestion:	Causes severe burns. May cause chemical burns in mouth and throat. Ingestion may result in perforation of the oesophagus, vomiting blood, diarrhoea, shock, haemolysis and haemoglobinuria.
Skin Contact:	Causes severe burns.
Eye Contact:	Causes severe burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.
Route of entry:	Ingestion. Skin Absorption.

SECTION 12 : ECOLOGICAL INFORMATION

Mobility:	Hygroscopic and very soluble.
Degradability:	Can cause long term adverse effects for the aquatic environment. High pH values and sodium content has a potential to damage soil structure.

Acute Fish Toxicity: Concentrations greater than 10ppm or a pH value above 10.5 may be fatal to fish and other aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14 : TRANSPORT INFORMATION

UK ROAD CLASS:	8	UN NO. ROAD:	1823
PROPER SHIPPING NAME:	Sodium Hydroxide, Solid.		
UK ROAD PACK GR:	II	ADR CLASS NO:	8
ADR PACK GROUP:	II	ADR CLASS:	class 8:corrosive substances
HAZARDS NO (ADR)	80	ADR LABEL NO:	8
HAZCHEM CODE:	2X	CEFIC TEC(R) NO:	80GC6-11+111
RID CLASS NO:	8	RID PACK GROUP:	II
UN NO.SEA:	1823	IMDG CLASS:	8
IMDG PAGE NO:	8	IMDG PACK GR:	II
EMS:	F-A,S-B	MGAG:	See guide
MARINE POLLUTANT:	NO	UN NO.AIR:	1823
ICAO CLASS:	8	AIR PACK GR:	II

SECTION 15 : REGULATORY INFORMATION

Supply:	Corrosive Label Required.	
Contains:	Sodium Hydroxide	
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.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
	S24/25	Avoid contact with skin and eyes
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S60	This material and its container must be disposed of as hazardous waste.

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION

References should be made to the Health & Safety at Work Act.

Disclaimer:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act,1974;the control of Substances Hazardous to Health Regulations,1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

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