



SAFETY DATA SHEET

SODIUM HYDROXIDE

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Compilation date: 29/11/2009

Revision date: 12/12/2021

Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SODIUM HYDROXIDE

REACH registered number(s): 01-2119457892-27

CAS number: 1310-73-2

EINECS number: 215-185-5

Index number: 011-002-00-6

Product code: 051-RM

Synonyms: CAUSTIC SODA PEARL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Used in a wide variety of cleaning, descaling and paint or varnish removal, and as a strong alkali in chemical reactions. Should only be used by trained staff with qualified technical advice.

1.3. Details of the supplier of the safety data sheet

Company name: Multex Chemicals Ltd.

Multex House

Cannon Street

HULL

East Yorkshire

HU2 OAB

Tel: 01482 320432

Fax: 01482 321777

Email: sales@multexchemicals.co.uk

1.4. Emergency telephone number

Emergency tel: 01482 320432

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314; Met. Corr. 1: H290

Most important adverse effects: Causes severe skin burns and eye damage. May be corrosive to metals.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

H290: May be corrosive to metals.

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Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
P260: Do not breathe dust.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P363: Wash contaminated clothing before reuse.
P234: Keep only in original packaging.
P390: Absorb spillage to prevent material damage.
P405: Store locked up.
P406: Store in corrosive resistant container with a resistant inner liner.

2.3. Other hazards

Other hazards: Hygroscopic: readily absorbs water from air.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: SODIUM HYDROXIDE

CAS number: 1310-73-2

EINECS number: 215-185-5

REACH registered number(s): 01-2119457892-27

Section 4: First aid measures

4.1. 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: Remove Contact Lenses. 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. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure

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the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Get medical attention if any discomfort continues

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: Severe burns may occur. Irritation or pain may occur at the site of contact.

Eye contact: Corneal burns may occur. There may be irritation and pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Blood may be vomited.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: This product itself is not flammable. Suitable extinguishing media for the surrounding fire should be used. Do not use water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: DO NOT TOUCH SPILT MATERIAL! Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water. Wash down the drain with large amounts of water. Avoid all incompatible materials in clean-up procedure - see section 10 of SDS.

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6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of dust in the air.
NEVER add water TO this product- may cause vigorous reaction/boiling. Always ADD
THE PRODUCT TO WATER-SLOWLY.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry place. If outdoor storage is unavoidable, protect the bags with waterproof sheeting. Avoid contact with water or humidity. Avoid incompatible materials and conditions - see section 10 of SDS.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	2 mg/m3	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Hand protection: Plastic or rubber gloves. PVC gloves.

Eye protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. PVC apron covering the tops of the boots. Ensure safety shower is to hand. Rubber apron.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Pellets, Powder or Flakes

Colour: White

Odour: Odourless

Evaporation rate: Not applicable.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Highly soluble

Also soluble in: Ethanol. Methanol.

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Boiling point/range°C: 1388

Melting point/range°C: 318

Relative density: 2.13

pH: 14

VOC g/l: Not applicable.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions. Reacts violently with Water.
Reacts Violently with Acids.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Moist air. Humidity.

10.5. Incompatible materials

Materials to avoid: Strong acids. Acids. Aluminium. Zinc. Water. Metals.

10.6. Hazardous decomposition products

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORL	RBT	LD50	325	mg/kg
IPR	MUS	LD50	40	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Severe burns may occur. Irritation or pain may occur at the site of contact.

Eye contact: Corneal burns may occur. There may be irritation and pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. There may be soreness and redness of

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the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Blood may be vomited.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	33-189	mg/l
Daphnia magna	48H EC50	40-240	mg/l

12.2. Persistence and degradability

Persistence and degradability: Dilution and neutralisation occur rapidly.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Harmful to fauna. Harmful to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: For small amounts Used material should be discharged to a foul water drain. May be neutralised prior to disposal with a WEAK acid solution. Disposal should be carried out only by qualified personnel familiar with the material Dispose of waste and residues in accordance with local authority requirements.

Disposal of packaging: Clean with water. Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

Section 14: Transport information

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14.1. UN number

UN number: UN1823

14.2. UN proper shipping name

Shipping name: SODIUM HYDROXIDE, SOLID

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

Phrases used in s.2 and s.3: H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

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.