



SODIUM HYDROXIDE
Material Safety Data Sheet

Product Name

Sodium Hydroxide (Caustic Soda Pearl)

Supplier

Just a Soap
South East Lodge
Rede Road
Whepstead
Bury St Edmunds
IP29 4ST
01284 735043

Composition/Ingredients Information

Product name: Caustic Soda Pearl.
Synonyms: Caustic Soda Anhydrous, Sodium Hydroxide
SDS number: C146
EC No: 215-185-5
CAS No: 1310-73-2

Hazards Identification

Causes severe burns.
Classification: C: R35

First Aid Measures

Inhalation: remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.
Skin contact: Remove affect person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues. Continue to rinse for at least 15 minutes.
Ingestion: **NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS.** Rinse mouth thoroughly. Get medical attention immediately. Drink plenty of water.
Eye contact: Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

Fire Fighting Measures

Extinguishing media: This product is not flammable. Extinguish with foam, carbon dioxide or dry powder.
Special hazards: carbon monoxide (CO). Carbon dioxide (CO₂).
Protective measures in fire: self contained breathing apparatus and full protective clothing must be worn in case of fire.

Accidental Release Measures

Personal precautions: wear protective clothing for hands and eyes – safety gloves and eye goggles.
Environment precautions: do not allow ANY environmental contamination.



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Cleaning up methods: DO NOT TOUCH SPILLED MATERIAL. Stop leak if possible without risk. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush contaminated area with plenty of water. Do not contaminate water sources or sewer. Inform authorities if large amounts are involved.

Handling & Storage

Usage precautions: avoid inhalation of dust and contact with skin and eyes.
Storage: store in tightly closed original container in a dry, cool and well ventilated place. Keep original container. Store away from acids. Unsuitable containers - copper, zinc, aluminium, copper alloy, zinc alloy, aluminium alloy.
Storage class: corrosive storage.

Exposure Controls/Personal Protection

Respiratory protection: if ventilation is insufficient, suitable respiratory protection must be provided.
Hand protection: use suitable gloves if risk of skin contact. PVC or rubber gloves are recommended.
Eye protection: use approved safety goggles. Wear tight fitting goggles or face shield.
Other protection: wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures: DO NOT SMOKE IN WORK AREA. Wash promptly if skin becomes wet or contaminated.

Physical & Chemical Properties

Colour: White/off white.
Appearance: Pellets/flakes.
Solubility: soluble in water.
Flammability: not flammable.
Mol weight: 40
Boiling point (deg C) 1390
Melting point (deg C) 318
Bulk density: 1.175g/ml
Relative density: 2.13

Stability & Reactivity

Stability: stable under normal temperature conditions.
Condition to avoid: reacts strongly with concentrated acids and chloro-hydrocarbons. Reacts strongly with water.
Materials to avoid: strong acid. Strong oxidising substances. Strong oxides. Chemically active metals.
Hazardous decomposition products: fire or high temperatures may form toxic and corrosive vapours.

Toxicological Information

Inhalation: dust is severely irritating to the upper respiratory system. Dust irritates the respiratory system and may cause coughing and difficulties in breathing.
Ingestion: may cause burns in mucous membranes, throat, oesophagus and stomach. Causes burns.



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Skin contact: may cause severe chemical burns of the skin. Corrosive.
Prolonged contact causes serious tissue damage.
Eye contact: causes burns. Risk of corneal damage. Visual disturbances including blurred vision.

Ecological Information

Ecotoxicity: the product may affect the acidity (pH factor) in water with the risk of harmful effect to aquatic organisms.
Mobility: the product is soluble in water.
Bioaccumulation: the product is not bioaccumulating
Degradability: the product is easily biodegradable.

Disposal Considerations

General information: do not puncture or incinerate even when empty.
Disposal methods: dispose of waste and residues in accordance with local authority requirements.

Transport Regulations

UK Road Class : 8
Proper Shipping Name: Sodium Hydroxide, Solid.
UN No Road: 1823 UK Road Pack GR: II
ADR Class no: 8 ADR Class: 8 Corrosive substances
ADR Pack Group: II Hazard no: (ADR): 80
ADR Label no: 8 Hazchem Code: 2W
CEPIC TEC(R) No: 80GC6-II+III RID Class no: 8
RID Pack group: II UN No Sea: 1823
IMDG Class: 8 IMDG Pack GR: II
EMS: F-A, S-B Marine Pollutant: No
UN No Air: 1823 Air Class: 8
Air Pack GR: II

Regulatory Information. According to Directive 88/379/EEC

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.
S37/39: wear suitable gloves and eye/face protection.
S45: in case of accident or if you feel unwell, seek medical advice immediately show label where possible.
Guidance notes: CHIP for everyone HSG(108). Workplace exposure limits EH40.

27 November 2009

This information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or processes. Such information is, to the best of Just A Soap's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.

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