

identification of substance

Product name : Sodium Hydroxide (5%).
Trade name : Sodium Hydroxide.

Supplier : Brunel Microscopes Ltd, Unit 2 Vincients Road, Bumpers Farm Industrial Estate,
Bumpers Way. Chippenham. SN14 6NQ.

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hazard identification



Harmful



Corrosive

Brunel sells only 5% solutions in water. This hazard sheet refers to concentrated sodium hydroxide.

Information on particular dangers for man and environment:
May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

first aid measures

General Information : If any symptoms occur seek medical advice.
After Inhalation : Remove to fresh air. Rinse mouth and nasal passages with water.
After Eye contact : Flush with copious amounts of water for at least 15 minutes.
After Skin contact : Wash thoroughly with soap and water.
After Ingestion : Do not induce vomiting. Get medical attention.

fire fighting measures

Suitable extinguishing agents : Use dry chemical, carbon dioxide or water spray. During a fire irritating and highly toxic gases may be generated. Containers may explode when heated. Do not get water inside containers.
Protective equipment : Put on breathing apparatus.

accidental release measures

Person - related safety precautions : Ensure adequate ventilation.
Measures for environmental protection : Clean up spills immediately. Place into a suitable container for disposal.

handling and storage

Information for safe handling : Wash thoroughly after handling. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Store in a cool, dry area away from incompatible substances.
Storage : Store in a cool, dry, well ventilated area away from incompatible substances.

physical and chemical properties

General information

Form : Liquid.
Colour : Clear.
Odour : Odourless odour.
Boiling point : 100 degrees C
Melting point : 0 degrees C
Flash point : Not known.
Solubility in water : Soluble.

stability and reactivity

Conditions to avoid : Stable at room temperature in closed containers under normal storage and handling conditions. Avoid extreme temperatures. Incompatible with metals, acids, flammable liquids, halogenated organics, nitromethane, nitro compounds, aluminium, tin and zinc.

toxicological information

After eye contact: May cause burns.
After skin contact: May cause burns.
After ingestion: May cause sever and permanent damage to the digestive tract.
After inhalation: Causes severe irritation of upper respiratory track. Prolonged or repeated. skin contact may cause dermatitis. Effects may be delayed.

ecological information

No information available.

disposal considerations

Recommendation : Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

regulatory information

The chemicals in this product are considered to be harmful and corrosive.

disclaimer

This data is based on our present knowledge. However, they do not constitute a guarantee for any specific product, and does not establish a legally valid contractual relationship.