

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 1 of 5	SDS 26
SODIUM HYDROXIDE 5-10M SOLUTION				

Section 1 – Chemical Product and Company Identification

1.1. Product identifier:

Sodium hydroxide 5M solution.

Sodium hydroxide 10M solution.

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

To be used as a sample preservative for analytical testing.

1.3. Details of the supplier of the safety data sheet:



ALS Laboratories (UK) Limited

Torrington Avenue,
Coventry, CV4 9GU

1.4. Emergency telephone number

T: +44 (0)24 7642 1213

F: +44 (0)24 7685 6575

Section 2 – Hazards Identification

2.1. Classification of the substance or mixture

Skin corrosion (Category 1A), H314

2.2. Label elements

Pictograms



Signal word: Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage.

Precautionary statement(s)

P234 Keep only in original container.

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 2 of 5	SDS 26
SODIUM HYDROXIDE 5-10M SOLUTION				

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P390 Absorb spillage to prevent material damage.

Supplemental Hazard Statements: None

Reduced labelling for packages where contents do not exceed 125ml is not applicable.

2.3. Other hazards - none

Section 3 – Composition, Information on Ingredients

3.2. Mixtures

Component	Hazards	Concentration
Sodium hydroxide	H314.	20-40%
Water	None.	60-80%

Section 4 – First Aid Measures

4.1. Description of first aid measures

Inhalation – remove victim to fresh air.

Ingestion – do not induce vomiting, wash out mouth with water. Consult doctor.

Eye – rinse thoroughly with water for 15 minutes. Remove contact lenses. Consult a doctor.

Skin – wash off with soap and water; if irritation persists then consult a doctor.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No data available.

Section 5 – Fire Fighting Measures

5.1. Extinguishing media: No limitations to extinguishing agents are known. Select as appropriate to local conditions.

5.2. Special hazards arising from the substance or mixture: Sodium oxides.

5.3. Advice for firefighters: No data available.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures: Protect skin and eyes from spillages. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 3 of 5	SDS 26
SODIUM HYDROXIDE 5-10M SOLUTION				

6.2. Environmental precautions: Do not let product enter drains. Discharge into the environment must be avoided.

6.3. Methods and materials for cleaning up: Use a suitable absorbent. Dispose of as corrosive waste.

6.4. Reference to other sections. See suitable PPE in section 8.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Avoid inhalation of vapour or mist. Avoid skin contact. Wear nitrile gloves if exposure is likely. Wear eye protection if contact is likely. Change clothes if they become heavily soiled. Wash skin after contact.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 – Exposure Controls, Personal Protection

8.1. Control parameters: Under EH40 (UK) – 2mg/m³ (STEL).

8.2. Exposure controls: Avoid skin contact. Wear nitrile gloves if exposure is likely, nitrile gloves offer excellent protection. Wear eye protection if contact is likely. Wash skin after contact. Change workwear after contamination.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties:

Clear, colourless, liquid. pH = 14.0 approx.

9.2. Other information: No data available.

Section 10 – Stability and Reactivity

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions: Hazardous Polymerization: Has not been reported.

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 4 of 5	SDS 26
SODIUM HYDROXIDE 5-10M SOLUTION				

10.4. Conditions to avoid: No data available.

10.5. Incompatible materials: Water, acids, Organic materials, Chlorinated solvents, Aluminium, Phosphorus, Tin/tin oxides, Zinc

10.6. Hazardous decomposition products: No data available.

Section 11 – Toxicological Information

11.1. Information on toxicological effects: Not considered to have toxicological effects.

Section 12 – Ecological Information

12.1. Toxicity: No data available.

12.2. Persistence and degradability: No data available.

12.3. Bioaccumulative potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment: No data available.

12.6. Other adverse effects: No data available.

Section 13 – Disposal Considerations

13.1. Waste treatment methods

Reuse or reprocess if possible. Do not dump into any sewers, on the ground, or into any body of water. Any disposal practice must be in compliance with regulations (contact environmental agency for specific rules). Waste characterisation and compliance with applicable laws are the responsibility of the waste generator.

Section 14 – Transport Information

14.1. UN number: UN 1824.

14.2. UN proper shipping name: Sodium hydroxide solution.

14.3. Transport hazard class(es): 8.

14.4. Packing group: II.

14.5. Environmental hazards: No.

14.6. Special precautions for user: As per section 7.

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 5 of 5	SDS 26
SODIUM HYDROXIDE 5-10M SOLUTION				

Section 15 – Regulatory Information

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

CDG (Carriage of Dangerous Goods) Regulations

CLP (Chemicals, Labelling and Packaging) Regulations.

CoSHH (Control of Substances Hazardous to Health) regulations

Hazardous Waste Regulations

PPE Regulations

Workplace Exposure Limits EH40

15.2. Chemical safety assessment: For this product a chemical safety assessment was not carried out.

Section 16 – Other Information

16.1 Other information:

Written by Paul Talbot.

16.2 Date of the latest revision of the SDS:

See document header.