

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 1 of 4	SDS 25
SODIUM HYDROXIDE 0.1M SOLUTION				

Section 1 – Chemical Product and Company Identification

1.1. Product identifier:

Sodium hydroxide solution 0.1M 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

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3. Other hazards - none

Section 3 – Composition, Information on Ingredients

3.2. Mixtures

Component	Hazards	Concentration
Sodium hydroxide	H314.	0.4%
Water	None.	99.6%

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 if feeling unwell.

Eye – rinse thoroughly with water for 15 minutes. Remove contact lenses. If irritation persists then consult a doctor.

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 2 of 4	SDS 25
SODIUM HYDROXIDE 0.1M SOLUTION				

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: No data available.

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.

6.2. Environmental precautions: No special measures necessary.

6.3. Methods and materials for cleaning up: Use a suitable absorbent. Dispose of non-hazardous 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).

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 3 of 4	SDS 25
SODIUM HYDROXIDE 0.1M SOLUTION				

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, odourless liquid. pH = 12.7approx.

9.2. Other information

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.

10.4. Conditions to avoid: No data available.

10.5. Incompatible materials: Aluminium, Tin, 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

Safety Data Sheet	Issue no.: 6	Issue Date: 19.09.25	Page 4 of 4	SDS 25
SODIUM HYDROXIDE 0.1M SOLUTION				

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: III.
- 14.5. Environmental hazards: No.
- 14.6. Special precautions for user: As per section 7.

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.