



## Sodium Hydroxide 20% Solution

AGent

AGent SDS: Sodium Hydroxide 20% Solution [2026.01]

Version No: 2026.01

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Hazard Alert Code: 3

Issue Date: July 2026  
Print Date: (auto-fills on print)  
AGENT.GHS.AUS.EN.E

### SECTION 1 Identification of the substance / mixture and of the company / undertaking

#### Product Identifier

|                               |                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------|
| Product name                  | Sodium Hydroxide 20% Solution                                                          |
| Chemical Name                 | Sodium hydroxide, aqueous solution                                                     |
| Synonyms                      | Caustic soda solution; soda lye solution; sodium hydroxide 20% solution; NaOH solution |
| Proper shipping name          | SODIUM HYDROXIDE SOLUTION                                                              |
| Chemical formula              | NaOH (aqueous)                                                                         |
| Other means of identification | Sodium Hydroxide 20% Solution [2026.02]                                                |

#### Relevant identified uses of the substance or mixture and uses advised against

|                      |                                                                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identified uses      | Chemical manufacture; acid neutralisation; pulp, paper, aluminium, detergent and textile processing; vegetable oil refining; reclaiming rubber; etching and electroplating; food additive. |
| Uses advised against | Do NOT add concentrated acid directly to the solution (violent exothermic neutralisation). Add to water, never water to product.                                                           |

#### Details of the manufacturer or supplier of the safety data sheet

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Registered company name | AGent Sales & Services Pty Ltd                     |
| Address                 | 38 May Holman Drive, Bassendean WA 6054, Australia |
| Telephone               | (+61 8) 6270 4500 / 1300 833 844                   |
| Website                 | agentsales.com.au                                  |
| Email                   | admin@agentsales.com.au                            |

#### Emergency telephone number

|                                   |                                                                       |
|-----------------------------------|-----------------------------------------------------------------------|
| Association / Organisation        | Hazrad (outside 24-hour emergency response provider)                  |
| Emergency telephone numbers       | 08 9418 4200 (24-hour)<br>— answered by Hazrad on AGent's behalf      |
| Other emergency telephone numbers | Poisons Information Centre<br>131 126 (Australia) / 0800 764 766 (NZ) |

### SECTION 2 Hazards identification

#### Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS Class 8 (Corrosive). Scheduled Poison S6. Classified under the WHS Regulations.

|                          |                         |
|--------------------------|-------------------------|
| Poisons Schedule (SUSMP) | Schedule 6 (S6) — SUSMP |
|--------------------------|-------------------------|

## Classification

- Corrosive to Metals Category 1 — H290
- Skin Corrosion/Irritation Category 1A — H314
- Serious Eye Damage/Eye Irritation Category 1 — H318 (subsumed by H314)
- Specific Target Organ Toxicity (Single Exposure) Category 3 — H335

## Label elements

|                            |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| <b>Hazard pictogram(s)</b> |  |
| <b>Signal word</b>         | Danger                                                                            |

## Hazard statement(s)

- H290 — May be corrosive to metals.
- H314 — Causes severe skin burns and eye damage.
- H335 — May cause respiratory irritation.

## Supplementary statement(s)

Not Applicable

## Precautionary statement(s) Prevention

- P234 — Keep only in original container.
- P260 — Do not breathe dust / fume / mist / vapours / spray.
- P264 — Wash hands thoroughly after handling.
- P280 — Wear protective gloves / protective clothing / eye protection / face protection.

## Precautionary statement(s) Response

- P301+P330+P331 — IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 — Immediately call a POISON CENTRE / doctor.
- P303+P361+P353 — IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P321 — Specific treatment (see first aid advice in Section 4).
- P363 — Wash contaminated clothing before reuse.
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P310 — Immediately call a POISON CENTRE / doctor.
- P390 — Absorb spillage to prevent material damage.

## Precautionary statement(s) Storage

- P405 — Store locked up.
- P406 — Store in a corrosion-resistant container with a resistant inner liner.

## Precautionary statement(s) Disposal

- P501 — Dispose of contents/container in accordance with local, state and federal regulations.

## Other hazards

Strongly alkaline aqueous solution. Further dilution with water is exothermic. Contact with metals (aluminium, zinc, tin) liberates flammable hydrogen gas. Slowly absorbs CO<sub>2</sub> from air, forming carbonate.

## SECTION 3 Composition / information on ingredients

### Substances

See section below for composition of Mixtures.

### Mixtures

| CAS No.   | % [weight] | Name             | Classification                                                                                    |
|-----------|------------|------------------|---------------------------------------------------------------------------------------------------|
| 1310-73-2 | 20         | Sodium hydroxide | Skin Corr. 1A (H314); STOT SE 3 (H335) — HCIS; Met. Corr. 1 (H290) retained per supplier/ADG data |
| 7732-18-5 | 80         | Water            | Not classified                                                                                    |

## SECTION 4 First aid measures

### Description of first aid measures

#### Eye Contact

Immediately rinse thoroughly with plenty of running water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses if easy to do. Continue rinsing. Seek immediate medical assistance — can cause corneal burns and permanent injury.

#### Skin Contact

Remove contaminated clothing and wash affected areas with plenty of water / shower. Consult a doctor/physician. Launder clothing before reuse. Corrosive — may cause severe burns.

#### Inhalation

Remove victim from area of exposure — avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Keep at rest and warm. If breathing is difficult, have a qualified person give oxygen. Apply artificial respiration if not breathing. Seek immediate medical advice.

#### Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Give plenty of water (or milk) to drink — no more than 2 glasses for an adult. Seek immediate medical assistance. Neutralising agents must NOT be given (exothermic reaction may compound injury).

#### Most important symptoms and effects, both acute and delayed

Corrosive to eyes, skin and respiratory tract. Eye contact can cause corneal burns and permanent injury. Skin contact causes severe irritation and burns. Ingestion causes nausea, vomiting, diarrhoea and chemical burns to the GI tract. Inhalation of mists/aerosols produces respiratory irritation, and at high concentrations laryngitis, bronchospasm, pneumonitis and pulmonary oedema.

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Damage by alkaline corrosives occurs by liquefaction necrosis and continues after exposure — irrigate affected skin/eyes for 20-30 minutes (saline for eyes). Contact the Poisons Information Centre (Australia 131 126; New Zealand 0800 764 766).

#### First Aid facilities

Eye wash facilities and a safety shower must be available in any area where this product is handled.

## SECTION 5 Firefighting measures

### Extinguishing media

Use extinguishing media appropriate to the surrounding fire. Non-combustible itself.

### Special hazards arising from the substance or mixture

#### Fire Incompatibility

Not combustible. May liberate toxic sodium oxide fumes in fire. Contact with metals may liberate flammable hydrogen gas.

### Advice for firefighters

#### Fire Fighting

Wear self-contained breathing apparatus (SCBA) and suitable protective clothing. Prevent fire-fighting water from contaminating surface or ground water.

#### Fire / Explosion Hazard

Non-combustible solid. Toxic sodium oxide fumes and flammable hydrogen (with metals) possible.

|              |    |
|--------------|----|
| HAZCHEM Code | 2R |
|--------------|----|

## SECTION 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

See Section 8 for personal protective equipment requirements.

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Work upwind. Evacuate personnel to safe areas. See Section 8 for PPE.

## Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. If contamination of sewers or waterways occurs, advise local emergency services.

## Methods and material for containment and cleaning up

### Minor Spills

Slippery when spilt — clean up immediately. Wear protective equipment to prevent skin/eye contact and mist inhalation. Contain the spill; absorb with inert material (soil, sand). Collect and seal in labelled containers for disposal. Caution — heat may be evolved on further dilution with water.

### Major Spills

Contain — prevent run-off into drains and waterways. Collect as above into labelled containers/drums for disposal. Notify the Environmental Protection Authority if waterways are threatened.

## SECTION 7 Handling and storage

### Precautions for safe handling

#### Safe handling

Avoid formation of mists and aerosols. Avoid skin/eye contact and breathing in mist / vapour. Keep out of reach of children. Risk of splash-back if added to HOT water — always add product to water. Observe good personal hygiene.

#### Other information

Keep containers closed when not in use; check regularly for spills. Store away from foodstuffs and incompatible materials (Section 10).

### Conditions for safe storage, including any incompatibilities

#### Suitable container

Store in a cool, dry, well-ventilated place out of direct sunlight. Keep containers closed (absorbs CO<sub>2</sub> from air). Do not store in aluminium or galvanised containers. Store away from foodstuffs and incompatible materials (Section 10). Classified DG Class 8 / Scheduled Poison S6 — store per the relevant regulations.

#### Storage incompatibility

Acids (violent reaction); ammonium salts; chlorinated hydrocarbons; aluminium, zinc, lead, tin and their alloys (liberate hydrogen). See Section 10.

## SECTION 8 Exposure controls / personal protection

### Control parameters

#### Occupational Exposure Limits (OEL)

Reference: Safe Work Australia, "Workplace Exposure Limits for Airborne Contaminants" (April 2024) by Safe Work Australia.

| Source       | Ingredient                   | Material name    | TWA                                    | STEL         | Peak                                  | Notes                                                                                                      |
|--------------|------------------------------|------------------|----------------------------------------|--------------|---------------------------------------|------------------------------------------------------------------------------------------------------------|
| SWA WEL 2024 | Sodium hydroxide (1310-73-2) | Sodium hydroxide | Not assigned (peak limitation applies) | Not assigned | 2 mg/m <sup>3</sup> (peak limitation) | Peak limitation — a ceiling concentration not to be exceeded over a period as short as possible (≤15 min). |

### Emergency Limits

| Ingredient       | TEEL-1                                            | TEEL-2                        | TEEL-3                         |
|------------------|---------------------------------------------------|-------------------------------|--------------------------------|
| Sodium hydroxide | 0.5 mg/m <sup>3</sup> (DOE PAC, sodium hydroxide) | 5 mg/m <sup>3</sup> (DOE PAC) | 50 mg/m <sup>3</sup> (DOE PAC) |
| Ingredient       | Original IDLH                                     |                               | Revised IDLH                   |
| Sodium hydroxide | 10 mg/m <sup>3</sup> (NIOSH)                      |                               | 10 mg/m <sup>3</sup> (NIOSH)   |

## MATERIAL DATA

No whole-mixture occupational exposure data are available; manage on a per-component basis (above).

### Exposure controls

#### Appropriate engineering controls

Apply the hierarchy of controls (WHS Reg 36). Where elimination or substitution is not reasonably practicable: provide local exhaust ventilation at points of vapour / mist generation; use closed transfer systems where possible; ensure general ventilation is adequate to keep airborne concentrations below the applicable WEL. Document the risk assessment supporting the chosen control hierarchy.

#### Individual protection measures, such as personal protective equipment

##### Eye and face protection

Safety glasses with side shields (AS/NZS 1336 & 1337) as a minimum. Chemical goggles and a face shield (AS/NZS 1336 & 1337) where splash potential exists.

##### Skin protection

See Hand protection below.

##### Hands/feet protection

Rubber / chemical-impervious gloves; splash apron or chemical-impervious outer garment and rubber boots (AS 2161, AS 2919, AS/NZS 2210). Face shield, chemical goggles or safety glasses with side shields (AS/NZS 1336 & 1337). Where airborne dust/mist may exceed the exposure standard, a full-face respirator with multi-purpose / type ABEK cartridges, or supplied-air respirator (AS/NZS 1715 & 1716). Eye-wash and safety shower must be available.

##### Body protection

See Other protection below.

##### Other protection

Long-sleeved chemical-resistant protective clothing and apron (PVC or equivalent)

##### Respiratory protection

If a risk assessment indicates an inhalation risk exists, wear a half-face or full-face respirator with appropriate filter (selection per AS/NZS 1715; respirator per AS/NZS 1716). Specific cartridge / canister recommendation to be confirmed during respiratory protection risk assessment per AS/NZS 1715.

## SECTION 9 Physical and chemical properties

### Information on basic physical and chemical properties

| Property                                     | Value                                                         |
|----------------------------------------------|---------------------------------------------------------------|
| Appearance                                   | Clear colourless liquid                                       |
| Physical state                               | Liquid                                                        |
| Odour                                        | Odourless                                                     |
| Odour threshold                              | No data available in source SDS                               |
| pH (as supplied)                             | 14 — strongly alkaline                                        |
| Melting point / freezing point (°C)          | Approx. 0 – 12 °C freezing point (concentration-dependent)    |
| Initial boiling point and boiling range (°C) | Approx. 110 – 145 °C (concentration-dependent)                |
| Flash point (°C)                             | Not applicable — non-combustible aqueous solution             |
| Evaporation rate                             | No data available in source SDS                               |
| Flammability                                 | Not flammable (non-combustible)                               |
| Upper Explosive Limit (%)                    | Not applicable                                                |
| Lower Explosive Limit (%)                    | Not applicable                                                |
| Vapour pressure (kPa)                        | No data available in source SDS                               |
| Solubility in water                          | Miscible in water in all proportions                          |
| Vapour density (Air = 1)                     | No data available in source SDS                               |
| Relative density (Water = 1)                 | 1.22 (typical for 20% NaOH at 20 °C; concentration-dependent) |
| Partition coefficient n-octanol/water        | Not applicable — ionic                                        |
| Auto-ignition temperature (°C)               | Not applicable — non-combustible                              |

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Decomposition temperature (°C)   | No data available in source SDS                 |
| Viscosity (cSt)                  | Higher than water; increases with concentration |
| Molecular weight (g/mol)         | 40.0 g/mol (NaOH solute)                        |
| Taste                            | Not applicable — do not taste                   |
| Explosive properties             | None known                                      |
| Oxidising properties             | None known                                      |
| Surface Tension (dyn/cm or mN/m) | No data available in source SDS                 |
| Volatile Component (% vol)       | Water                                           |
| Gas group                        | Not applicable                                  |
| pH as a solution (1%)            | ~13 (strongly alkaline)                         |
| VOC g/L                          | 0 g/L — inorganic solution; no VOC              |

## SECTION 10 Stability and reactivity

|                                           |                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | Reacts violently with acids. Reacts exothermically on dilution with water. See Section 10.                                                                                                                                                                                                               |
| <b>Chemical stability</b>                 | Stable under normal storage conditions. Hygroscopic — slowly absorbs moisture and CO <sub>2</sub> from air.                                                                                                                                                                                              |
| <b>Possibility of hazardous reactions</b> | May react violently with strong acids. In contact with water may generate enough heat to ignite combustibles. With metals may produce flammable / explosive hydrogen gas. May form spontaneously combustible compounds with organohalogens; may react explosively with nitro / chloro organic compounds. |
| <b>Conditions to avoid</b>                | Dust generation; exposure to moisture; contact with foodstuffs.                                                                                                                                                                                                                                          |
| <b>Incompatible materials</b>             | See Section 7. Acids; ammonium salts; chlorinated hydrocarbons; aluminium, zinc, lead, tin and alloys.                                                                                                                                                                                                   |
| <b>Hazardous decomposition products</b>   | None under normal conditions. Sodium oxide fumes on strong heating.                                                                                                                                                                                                                                      |

## SECTION 11 Toxicological information

### Information on toxicological effects

#### Inhaled

Breathing in mists / aerosols produces respiratory irritation; high concentrations may cause coughing, laryngitis, bronchospasm, pneumonitis and pulmonary oedema.

#### Ingestion

Causes nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the GI tract.

#### Skin Contact

Contact causes severe irritation; corrosive — may cause skin burns.

#### Eye

Severe eye irritant; corrosive — contact can cause corneal burns and permanent injury.

#### Chronic

No component  $\geq 0.1\%$  is an IARC carcinogen. Alkalis continue to cause damage after exposure.

#### Per-ingredient toxicity

| Ingredient       | TOXICITY                      | IRRITATION                                                             |
|------------------|-------------------------------|------------------------------------------------------------------------|
| Sodium hydroxide | Oral LD50 (rabbit): 325 mg/kg | Skin (rabbit) 500 mg/24 h — SEVERE; Eye (rabbit) 0.05 mg/24 h — SEVERE |

#### Hazard checklist (whole-product classification basis)

| Hazard endpoint                   | Classified                                               | Hazard endpoint          | Classified |
|-----------------------------------|----------------------------------------------------------|--------------------------|------------|
| Acute Toxicity                    | —                                                        | Carcinogenicity          | —          |
| Skin Irritation/Corrosion         | ✓ Skin Corrosion Category 1A (H314)                      | Reproductive Toxicity    | —          |
| Serious Eye Damage/Irritation     | ✓ Serious Eye Damage Category 1 (H318, subsumed by H314) | STOT — Single Exposure   | —          |
| Respiratory or Skin Sensitisation | —                                                        | STOT — Repeated Exposure | —          |
| Mutagenicity                      | —                                                        | Aspiration Hazard        | —          |

Legend: ✓ = Data available to make classification; — = Data either not available or does not fill the criteria for classification.

#### Information on possible routes of exposure

May be absorbed by skin and eye contact, ingestion and inhalation.

#### Additional Information

|       |                              |
|-------|------------------------------|
| RTECS | WB4900000 (sodium hydroxide) |
|-------|------------------------------|

## SECTION 12 Ecological information

### Toxicity

| Ingredient       | Endpoint                                  | Test Duration | Species | Value     | Source    |
|------------------|-------------------------------------------|---------------|---------|-----------|-----------|
| Sodium hydroxide | LC50 (Gambusia affinis, mosquito fish)    | 96 h          | Fish    | 125 mg/L  | AGent SDS |
| Sodium hydroxide | LC50 (Oncorhynchus mykiss, rainbow trout) | 96 h          | Fish    | 45.4 mg/L | AGent SDS |

|                  |                                  |      |         |            |           |
|------------------|----------------------------------|------|---------|------------|-----------|
| Sodium hydroxide | EC50 (Daphnia magna, water flea) | 48 h | Daphnia | 40.38 mg/L | AGent SDS |
|------------------|----------------------------------|------|---------|------------|-----------|

Environmental precaution: Prevent entry to drains, waterways and soak-aways. Notify the relevant Environmental Protection Authority if waterway contamination occurs.

#### Persistence and degradability

| Ingredient       | Persistence: Water / Soil                                                                                                    | Persistence: Air                     |
|------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Sodium hydroxide | Dissociates to sodium and hydroxide ions; neutralised by acids / atmospheric CO <sub>2</sub> . Raises pH of receiving water. | Not applicable — non-volatile solid. |

#### Bioaccumulative potential

| Ingredient       | Bioaccumulation                            |
|------------------|--------------------------------------------|
| Sodium hydroxide | Does not bioaccumulate (inorganic, ionic). |

#### Mobility in soil

| Ingredient       | Mobility                          |
|------------------|-----------------------------------|
| Sodium hydroxide | Very soluble and mobile in water. |

#### Other adverse effects

Harmful to aquatic life through pH elevation. Avoid contaminating waterways.

### SECTION 13 Disposal considerations

#### Waste treatment methods

##### Product / Packaging disposal

- Recycle wherever possible.
- Ensure waste disposal conforms to all relevant local, state and federal authority waste disposal regulations.
- Do NOT discharge into sewers or waterways.
- Empty containers should be returned via AGent's Closed Loop container return program where applicable.
- Whatever cannot be saved for recovery or recycling should be managed through an approved waste disposal facility.
- Dispose of in accordance with local, state and federal regulations. Whatever cannot be recovered or recycled should be handled as hazardous waste and sent to an approved waste facility. Empty packaging should be disposed of as unused product.

**SECTION 14 Transport information**

|                         |                     |
|-------------------------|---------------------|
| <b>Labels Required</b>  | Class 8 (Corrosive) |
| <b>Marine Pollutant</b> | No                  |
| <b>HAZCHEM Code</b>     | 2R                  |

**Land transport (ADG)**

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN number</b>                    | 1824                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UN proper shipping name</b>      | SODIUM HYDROXIDE SOLUTION                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Transport hazard class(es)</b>   | 8 (Corrosive). Classified as DANGEROUS GOODS by the criteria of the ADG Code for transport by road or rail.                                                                                                                                                                                                                                                                                                                                      |
| <b>Packing group</b>                | II                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Environmental hazard</b>         | Not a Marine Pollutant                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Special precautions for user</b> | UN 1824 PG II in ADG Table 3.2.3 — Special Provisions (ADG): None allocated. Limited Quantities (LQ): Dangerous goods exemptions apply for road/rail transport when packed in inner packagings with a net volume not exceeding 1 L and outer packagings with a gross mass not exceeding 30 kg. Excepted Quantities (EQ): Code E2 applies. Maximum net quantity per inner packaging is 30 mL. Maximum net quantity per outer packaging is 500 mL. |
| <b>ERG / EIP number</b>             | ANZ-ERG 2024 Guide 154.                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Air transport (ICAO-IATA / DGR)**

|                                                 |                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN number</b>                                | 1824                                                                                                                                  |
| <b>UN proper shipping name (lowercase)</b>      | SODIUM HYDROXIDE SOLUTION                                                                                                             |
| <b>ICAO/IATA Class</b>                          | Class 8 (Corrosive), PG II                                                                                                            |
| <b>Packing group</b>                            | II                                                                                                                                    |
| <b>Environmental hazard</b>                     | Not environmentally hazardous                                                                                                         |
| <b>Special provisions</b>                       | Classified as DANGEROUS GOODS by the criteria of the IATA Code for transport by air.                                                  |
| <b>Cargo Only Packing Instructions</b>          | Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification. |
| <b>Cargo Only Max Qty/Pack</b>                  | Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification. |
| <b>Passenger and Cargo Packing Instructions</b> | Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification. |
| <b>Passenger and Cargo Max Qty/Pack</b>         | Not Applicable — AGent does not transport this product by air. Refer to land transport (ADG) above for the applicable classification. |

**Sea transport (IMDG-Code / GGVSee)**

|                                |                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------|
| <b>UN number</b>               | 1824                                                                                 |
| <b>UN proper shipping name</b> | SODIUM HYDROXIDE SOLUTION                                                            |
| <b>IMDG Class</b>              | Class 8 (Corrosive), PG II                                                           |
| <b>Packing group</b>           | II                                                                                   |
| <b>Environmental hazard</b>    | Not a Marine Pollutant                                                               |
| <b>EMS Number</b>              | F-A, S-B                                                                             |
| <b>Special provisions</b>      | Classified as DANGEROUS GOODS by the criteria of the IMDG Code for transport by sea. |

**Transport in bulk according to MARPOL Annex II and the IBC Code**

Not Applicable — AGent does not transport this product in bulk by sea.

**Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code**

| Product name                  | Group                                                                  |
|-------------------------------|------------------------------------------------------------------------|
| Sodium Hydroxide 20% Solution | Not Applicable — AGent does not transport this product in bulk by sea. |

**Transport in bulk in accordance with the IGC Code**

| Product name                  | Ship Type                                                              |
|-------------------------------|------------------------------------------------------------------------|
| Sodium Hydroxide 20% Solution | Not Applicable — AGent does not transport this product in bulk by sea. |

**SECTION 15 Regulatory information****Safety, health and environmental regulations / legislation specific for the substance or mixture**

SODIUM HYDROXIDE (CAS 1310-73-2) is found on / assessed against the following regulatory lists:

- Australia Hazardous Chemical Information System (HCIS): Skin Corr. 1A (H314); STOT SE 3 (H335)
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 6 (S6)
- Australian Inventory of Industrial Chemicals (AIIC): Listed
- IARC Group classification: Not classified
- Schedule 10 of the model WHS Regulations (prohibited / restricted carcinogens): Not listed
- Schedule 14 of the model WHS Regulations (health monitoring trigger): Not listed

**Additional Regulatory Information**

Subject to: Work Health and Safety (General) Regulations 2022 (WA); "Workplace Exposure Limits for Airborne Contaminants" (April 2024) by Safe Work Australia; Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) current edition.

**National Inventory Status**

| Country / Inventory            | Listed                                              |
|--------------------------------|-----------------------------------------------------|
| Australia (AIIC / AICS)        | Yes                                                 |
| Canada (DSL)                   | Not applicable — AGent does not export this product |
| Canada (NDSL)                  | Not applicable — AGent does not export this product |
| China (IECSC)                  | Not applicable — AGent does not export this product |
| Europe (EINECS / ELINCS / NLP) | Not applicable — AGent does not export this product |
| Japan (ENCS)                   | Not applicable — AGent does not export this product |
| Korea (KECI)                   | Not applicable — AGent does not export this product |
| New Zealand (NZIoC)            | Not applicable — AGent does not export this product |
| Philippines (PICCS)            | Not applicable — AGent does not export this product |
| USA (TSCA)                     | Not applicable — AGent does not export this product |
| Taiwan (TCSI)                  | Not applicable — AGent does not export this product |
| Mexico (INSQ)                  | Not applicable — AGent does not export this product |
| Vietnam (NCI)                  | Not applicable — AGent does not export this product |
| Russia (FBEPH)                 | Not applicable — AGent does not export this product |

Legend: Yes = All CAS declared ingredients are on the inventory; No = One or more CAS listed ingredients are not on the inventory (may be exempt or require registration).

## SECTION 16 Other information

|                      |                               |
|----------------------|-------------------------------|
| <b>Revision Date</b> | July 2026                     |
| <b>Initial Date</b>  | July 2026 (AGent 2026 format) |

### SDS Version Summary

| Version                     | Date of Update | Sections Updated                                                                                                                                                                                                                                                                                                  |
|-----------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2026.01 (AGent 2026 format) | July 2026      | §3 ingredient classification(s) harmonised to the substance-level determination for CAS 1310-73-2 (SWA HCIS where listed; documented supplier basis otherwise) — cross-CAS consistency triage, 24 July 2026. Substance classification is a property of the CAS number and must be identical across all AGent SDS. |

### Other information

This SDS is intended as a hazard communication tool to assist in workplace Risk Assessment. It is not an Australian Standard or a definitive document.

### Definitions and abbreviations

| Abbreviation | Definition                                                            |
|--------------|-----------------------------------------------------------------------|
| ADG          | Australian Dangerous Goods Code                                       |
| AICS / AIIC  | Australian Inventory of Industrial Chemicals (formerly AICS)          |
| AUH          | Additional / Australian Hazard statements                             |
| BCF          | Bioconcentration Factor                                               |
| BEI          | Biological Exposure Index                                             |
| CAS          | Chemical Abstracts Service Registry Number                            |
| DNEL         | Derived No Effect Level                                               |
| DSEN         | Dermal sensitiser (SWA WEL 2024 notation)                             |
| EC50         | Effect Concentration causing effect in 50% of test population         |
| EMS          | IMDG Emergency Schedule                                               |
| ERG / EIP    | Emergency Response Guide / Emergency Information Panel (SAA/SNZ HB76) |
| ES           | Exposure Standard (legacy term — now WEL)                             |
| GHS          | Globally Harmonised System of Classification and Labelling            |
| HCIS         | Hazardous Chemical Information System (Safe Work Australia)           |
| IARC         | International Agency for Research on Cancer                           |
| IDLH         | Immediately Dangerous to Life or Health                               |
| LC50         | Lethal Concentration causing death in 50% of test population          |
| LD50         | Lethal Dose causing death in 50% of test population                   |
| LOAEL        | Lowest Observed Adverse Effect Level                                  |
| NOAEL        | No Observed Adverse Effect Level                                      |
| NOEC         | No Observed Effect Concentration                                      |
| OEL          | Occupational Exposure Limit                                           |
| OTO          | Ototoxic (SWA WEL 2024 notation)                                      |
| PC-STEL      | Permissible Concentration — Short Term Exposure Limit                 |
| PC-TWA       | Permissible Concentration — Time Weighted Average                     |
| PNEC         | Predicted No Effect Concentration                                     |
| RSEN         | Respiratory sensitiser (SWA WEL 2024 notation)                        |
| SDS          | Safety Data Sheet                                                     |
| Sk           | Skin notation — absorption through the skin a significant route       |
| STEL         | Short Term Exposure Limit (15 min TWA)                                |
| SUSMP        | Standard for the Uniform Scheduling of Medicines and Poisons          |
| SWA          | Safe Work Australia                                                   |

|      |                                                            |
|------|------------------------------------------------------------|
| TEEL | Temporary Emergency Exposure Limit                         |
| TLV  | Threshold Limit Value                                      |
| TWA  | Time Weighted Average (8 hr / 40 hr week)                  |
| WEL  | Workplace Exposure Limit (Safe Work Australia, April 2024) |
| WHS  | Work Health and Safety                                     |

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***end of SDS***