

Infosafe No™ 3CH7N Issue Date : January 2021 RE-ISSUED by CHEMSUPP

Product Name **SODIUM HYDROXIDE 0.1 - 0.4% Solution**

Not classified as hazardous

1. Identification

GHS Product Identifier SODIUM HYDROXIDE 0.1 - 0.4% Solution

Company Name CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

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Recommended use of the chemical and restrictions on use Laboratory reagent.

Other Names	<u>Name</u>	<u>Product Code</u>
	SODIUM HYDROXIDE 0.1M (0.1 N) Solution LR	SL131

Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Water	7732-18-5	99.6-99.9 %
	Sodium hydroxide	1310-73-2	0.1-0.4 %

4. First-aid measures

Inhalation No specific measures
Remove from exposure, rest and keep warm.

Ingestion Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Contaminated clothing must be laundered before re-use

Eye contact If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Take care not to rinse contaminated water into the non-affected eye. Seek medical advice if effects persist.

First Aid Facilities Maintain eyewash fountain and safety shower in work area.

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Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Specific Methods This product contains a substantial proportion of water therefore there are no restrictions on the type of extinguishing media which may be used. Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media.
Material does not burn.

Hazchem Code 2R

6. Accidental release measures

Spills & Disposal Mop up and wash to drain with copious volumes of water.

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

7. Handling and storage

Precautions for Safe Handling Avoid contact with skin and eyes. Wash hands and face thoroughly after working with material.

Conditions for safe storage, including any incompatibilities Store in tightly closed container, in a cool, dry area.

Storage Temperatures Store at room temperature (15 to 25 °C recommended).

8. Exposure controls/personal protection

Other Exposure Information No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m³. All atmospheric contamination should be kept to as low a level as is workable. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

Respiratory Protection Usually is not required.
Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels.

Eye Protection The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Safety glasses or goggles.

Hand Protection Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.

Personal Protective Equipment Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

Body Protection Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hygiene Measures Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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9. Physical and chemical properties

Form	Liquid
Appearance	Clear, colourless solution.
Odour	Odourless.
Boiling Point	Approx. 100 °C
Solubility in Water	Solubility in all proportions.
Specific Gravity	1.000 (0.4% wt).
pH	pH ~ 13 (0.4% solution)
Flammability	Non combustible material.

10. Stability and reactivity

Chemical Stability	Stable at room temperature in tightly closed containers under ordinary conditions of use and storage. Sensitive to air. Sodium hydroxide rapidly absorbs carbon dioxide from the air (forming sodium carbonate).
Conditions to Avoid	Moisture/water, exposure to air, or carbon monoxide.

11. Toxicological Information

Ingestion	Ingestion of this product may cause slight irritation to the mucous membranes in the mouth.
Inhalation	Inhalation of mists or vapours may result in slight respiratory irritation.
Skin	May cause slight irritation to the skin, which can result in redness, itchiness, pain, and swelling.
Eye	May cause slight irritation to the eyes, which can result in redness, stinging, pain.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive Toxicity	Not classified based on available information.
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Mutagenicity	Not classified based on available information.

12. Ecological information

Ecotoxicity	No ecological problems are to be expected when the product is handled and used with due care and attention.
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13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following: Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are alkalis, Class 7; and are incompatible with food and food packaging in any quantity.
U.N. Number	1824

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Product Name **SODIUM HYDROXIDE 0.1 - 0.4% Solution**

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UN proper shipping name	SODIUM HYDROXIDE SOLUTION
Transport hazard class(es)	8
Hazchem Code	2R
Packing Group	III
EPG Number	8A1
IERG Number	37

15. Regulatory information

Regulatory Information	All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	S5

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.' Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives. ...End Of MSDS...

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