SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **SODIUM HYDROXIDE 46% w/w LC585**
Synonyms: UN 1824, SODIUM HYDROXIDE SOLUTION (contains sodium hydroxide)

Use: Cleaning, degreasing and raising pH.

Supplier: Advance Chemicals
ABN: 61 005 625 025
Street Address: 4 – 8 Malton Court, Altona, 3018
Telephone Number: (03) 9398 4444
Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:
Skin Corrosion – Sub - category 1A

SIGNAL WORD: DANGER

Hazard Statement(s):
H314 – Causes severe skin burns and eye damage.

Precautionary Statement(s):

Prevention:
P260 – Do not breathe mist/vapour/spray
P264 – Wash hands thoroughly after handling
P280 - Wear protective gloves/eye protection/ face protection.

Response:
P301 + P3330 +P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 – Wash contaminated clothing before re-use
P321 – Specific treatment (see First Aid Measures on Safety Data Sheet)
P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 – Call a POISON CENTRE or doctor/physician if you feel unwell
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:
P405 – Store in a well-ventilated place. Keep cool.

Disposal:
P501: Dispose of contents/container in accordance with local waste management authority.

Poisons Schedule (Australia): 6

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	Risk phrases
Sodium Hydroxide	1310-73-2	30 – 60%	**H314**
Water	7732-18-5	To 100%	

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air. Avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Apply artificial respiration is person is not breathing. Seek medical attention.

Skin Contact: Remove contaminated clothing and wash affected areas with plenty of water. Wash contaminated clothing before re-use. Seek medical attention if irritation occurs.

Eye Contact: Eyelids to be held open. Wash continuously with water for at least 15 minutes. Seek medical attention.

Ingestion: Rinse mouth with water. Give water to drink. Do NOT induce vomiting. If vomiting occurs give further water to achieve effective dilution. Seek medical attention.

Notes to Doctor: Treat symptomatically as a strong alkaline corrosive material.

5. FIRE FIGHTING MEASURES

Specific Hazards: Reaction with metals will produce flammable hydrogen gas.

Fire fighting advice: Fire fighters must wear self contained breathing apparatus if risk of exposure to product of combustion or decomposition. Water spray may be used to keep other containers cool.

Fire Extinguishing Media: Water Fog (or if unavailable, fine water spray), Foam, or Dry Agent (carbon dioxide, dry chemical powder).

Hazchem Code: 2R.

Flammability: Non combustible liquid.

6. ACCIDENTAL RELEASE MEASURES

Pervent product from entering drains and waterways. Use absorbent such as sand, soil or other inert material. Collect and seal in properly labelled drums for disposal to an Approved Trade Waste Facility.

7. HANDLING AND STORAGE

Handling advice: Wear appropriate protective equipment and clothing to prevent inhalation, skin and eye contact. Use in designated areas with adequate ventilation. Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

Storage advice: Store in a cool, dry place away from direct sunlight. Store in a well ventilated area. Keep containers closed when not in use. Store away from oxidising agents, acids, aluminium, zinc, tin and ammonium salts.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: TWA (sodium hydroxide) = 2 mg/m^3.

Engineering Controls: Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Personal Protection Equipment: Wear safety goggles/glasses, chemically resistant P.V.C or nitrile gloves, protective clothing and protective footwear. If mists and vapours exist, wear a particulate/mist type respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water white to slightly opaque coloured liquid.
Boiling Point: 140ºC
Melting Point: 12ºC
Flash Point: Not Applicable.
Vapour Pressure: Not available.
Vapour Density (Air = 1): >1.
Flammability Limits: Not applicable.
Specific Gravity: 1.48 – 1.52
pH (neat): 14
Solubility in water: Soluble in water.
Corrosiveness: Corrosive.

10. STABILITY AND REACTIVITY

Stability: Stable when stored under normal conditions. Corrosive to aluminium, zinc, and tin. Reacts violently with acids and ammonium salts. Absorbs carbon dioxide from the air.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Ingested: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, swelling of the larynx and subsequent suffocating, perforation of the gastrointestinal tract, cardiovascular collapse and coma.

Eye: Corrosive to the eyes; contamination of eye can cause corneal burns and result in permanent injury.

Skin: Contact with skin may cause skin burns and will result in severe irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Corrosive to skin.

Inhaled: Inhalation of mists will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis, and emphysema.

Chronic: Chronic effects are unlikely due to severity of acute effects.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority.

14. TRANSPORT INFORMATION

UN Number: 1824

Proper Shipping Name: SODIUM HYDROXIDE SOLUTION (contains sodium hydroxide)

Dangerous Goods Class: 8

Subsidiary risk: N/A

Packing Group: II

Hazchem Code: 2R

Road and Rail Transport: Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by road and rail.

15. REGULATORY INFORMATION

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Poisons Schedule: 6

16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS cannot anticipate or control the conditions under which this information can be used, each user must review this information in the specific context of the intended application.

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Issue date: December, 2020

ABBREVIATIONS:

AS/NZS	Australian Standards/New Zealand Standards
N/A	Not Applicable
PVC	Polyvinyl Chloride
TWA	Time Weighted Average
w/w	Weight/Weight