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Safety Data Sheet

DP-515

1: Identification of the Material and Supplier

Product Identifier DP-515

Other Means of Identification Sodium Hydroxide and Sodium Hypochlorite Solution

Recommended Use Combined cleaner and sanitiser

Supplier

Organisation	Location	Contact Information
Chemform Pty Ltd	7 Kirke St	Phone: (08) 9240 7444
ABN: 50 008 905 119	Balcatta WA 6021	Fax: (08) 9344 4360
	Australia	E-Mail: admin@chemform.com.au
		Web: www.chemform.com.au

Emergency Phone Number Poisons Information Centre (Australia) 13 11 26

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code

GHS Classification Skin Corrosion (Category 1)

Signal Word Danger

Hazardous Statement(s) Causes severe skin burns and eye damage

Precautionary Statement(s)

If medical advice is needed, have product container or label at hand.

Keep out of reach of children. Wear protective gloves and eye protection

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

Immediately call a POISON CENTRE or doctor/physician

Store locked up

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chemform.com.au
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3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion
Sodium Hydroxide	1310-73-2	<10%
Sodium Hypochlorite	7681-52-9	<10%
Non-hazardous ingredients	-	to 100%

4: First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
Ingestion	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.
Eyes	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhalation	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
Symptoms Caused by Exposure (Chronic)	No data available
Medical Attention and Special Treatment	Treat symptomatically as for strong alkali. Can cause corneal burns. Mucosal damage may contraindicate the use of gastric lavage.

5: Fire Fighting Measures

Suitable Extinguishing Equipment	Extinguish fire using agent suitable for type of surrounding fire. (Material itself is not combustible) Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources
Specific Hazards Arising from the Chemical	On contact with acidic chemicals, will react to liberate very toxic chlorine gas
Special Protective Equipment and Precautions for Fire Fighters	The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: chemical goggles, body covering protective clothing, chemical resistant gloves and rubber boots.
Hazchem Code	2X

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6: Accidental Release Measures

Personal Precautions	Keep unnecessary personnel away. Wear protective eyewear and gloves.	
Environmental Precautions	Seek disposal options by a licensed waste contractor	
Spills and Disposal	**Small Spills**	**Large Spills**
	Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water	Contain spill with absorbent material such as soil, sand, attapulgite, vermiculite. Collect and seal in properly labeled drums. Wash area with water. Seek disposal options by a licensed waste contractor.

7: Handling and Storage

Precautions for Safe Handling	Wash hands after use. Minimise direct contact with product. NEVER mix with any other chemicals as toxic chlorine gas may be released. Mix only with water.
Conditions for Safe Storage	Always replace lid on container after use.

8: Exposure Controls – Personal Protection

National Exposure Standards	TWA of 2 mg/m3 as sodium hydroxide
Engineering Controls	Avoid generation and inhalation of mists and aerosols
Individual Protection	
Eyes/Face	Chemical goggles
Hands	Chemical resistant gloves
Skin	PVC, Nitrile or rubber splash apron and rubber boots
Respiratory	Where mist is a problem use a respirator

9: Physical and Chemical Properties

Appearance	Yellow liquid
Odour	Slight
pH	1% solution 12.0
Vapour Pressure	Not known
Vapour Density	Not known
Flash Point	Not relevant
Flammability Limits	Not relevant
Boiling Point	No data available
Melting Point	No data available
Specific Gravity	1.1
Solubility	Soluble in water

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10: Stability and Reactivity

Chemical Stability	Product decomposes slowly and releases toxic chlorine gas especially if stored outside in the direct sunlight
Possibility of Hazardous Reaction	Will react with acidic products to produce chlorine gas
Conditions to Avoid	Avoid extreme heat and high temperatures
Incompatible Materials	Acidic chemicals
Hazardous Decomposition Products	Reacts violently with acids liberating very toxic chlorine gas and excessive heat

11: Toxicological Information

Ingestion	LD_{50} 40mg/kg as sodium hydroxide
Eye	Draize test: rabbit, eye 1% Severe (sodium hydroxide)
Skin	Draise text, rabbit, skin: 500 mg/24h Severe (sodium hydroxide)
Inhalation	Inhalation, rat: LC50 = 2300 mg/m^3/2h (sodium hydroxide)

12: Ecological Information

Ecotoxicity	*Leuciscus idus melanotus (golden orfe) 48h LC50 189mg/L* (sodium hydroxide) LC50 (12 hours): pH 4.6 (Daphnia Magna)
Persistence/Degradability	Not expected to persist in the environment
Bio-accumulative Potential	Product has no potential to bio-accumulative
Mobility in Soil	No data available

13: Disposal Considerations

Disposal Methods	Disposal of this product and solutions of the product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities. Dispose of via licensed waste disposal carriers.

14: Transport Information

UN Number	1824
Shipping Name	Sodium Hydroxide solution
Class	8
Subsidiary Risk	None allocated
Packing Group	II
Special Precautions For Users	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against Physical damage. Store away from acids. Do not use aluminium or galvanised containers. Steel or plastic containers are suitable.
Hazchem Code	2X
IERG Number	37

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15: Regulatory Information

Packaging & Labelling This product is a Scheduled Poison (S6) and therefore must be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16: Other Information

Prepared By Brett Amos

Date of Previous Issue May 2010

Changes Made Formatted to GHS

References Australian Dangerous Goods Code

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011.

Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP)

Guidance on the Classification of Hazardous Chemicals Under the WHS Regulations (April 2012)

Contact Person/Point Australia 24 HOUR EMERGENCY CONTACT

Poisons Information Centre 13 11 26

Legal Disclaimer The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

END OF SAFETY DATA SHEET

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