DP-515

1: Identification of the Material and Supplier

Product Identifier DP-515

Other Means of Identification DP515.20 (20L), DP515.D (205L)

Recommended Use Combined cleaner and sanitiser

Supplier

Organisation	Location	Contact Information
Chemform ABN: 50 008 905 119	7 Kirke St Balcatta WA 6021 Australia	Phone: 1300 415 278 Fax: (08) 9344 4360 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)
Eye damage (category 1)



Signal Word Danger

Hazard Statement(s) Causes skin burns and eye damage

Precautionary Statement(s) Wear eye protection and protective gloves and clothing. Wash hands after handling. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Take off immediately all contaminated clothing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor. Store locked up. Dispose of container in accordance with local regulations.

3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion (% w/w)
Amine Oxide	1643-20-5/3332-27-2	<10%
Sodium Hydroxide	1310-73-2	<10%
Available Chlorine as 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 Please refer to Section 11- Toxicological Information.

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 Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources.

Specific Hazards Arising from the Chemical When heated to decomposition will produce irritating fumes.

Special Protective Equipment and Precautions for Fire Fighters Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus.

Hazchem Code 2R

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6: Accidental Release Measures

Personal Precautions	Surfaces may be slippery. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. Isolate the spill area. Keep unnecessary personnel away. Clean up immediately to avoid accidents.
Environmental Precautions	Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers or waterways.
Spills and Disposal	**Small Spills** Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water. **Large Spills** Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgite, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal options by a licensed waste contractor.

7: Handling and Storage

Precautions for Safe Handling	Wash hands after use. Avoid direct contact with product. Use PPE as described in section 8. NEVER mix with any other chemicals as toxic chlorine gas may be released.
Conditions for Safe Storage	Always replace lid on container after use. Store in a cool dry place out of direct sunlight and out of reach of children.

8: Exposure Controls – Personal Protection

National Exposure Standards	None established for the product. Sodium Hydroxide: TWA = 2 mg/m^3 TWA for chlorine gas is 3.0mg/m^3.
Engineering Controls	Avoid generation and inhalation of mists and aerosols
Individual Protection	
Eyes/Face	Chemical mono-goggles
Hands	Nitrile or rubber gloves
Skin	Apron, overalls and chemical resistant boots.
Respiratory	Where mist is a problem use a respirator.

9: Physical and Chemical Properties

Appearance	Yellow semi-viscous liquid
Odour	Slight chlorine
pH	11.3 – 12.3 (1% solution)
Vapour Pressure	No data available
Vapour Density	No data available
Flash Point	Not relevant
Flammability Limits	Not relevant
Boiling Point	>100°C
Melting Point	<0°C
Specific Gravity	1.11 – 1.12
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} Oral: >5000mL/kg bw (rat) of a 4.74% solution. Consider low toxicity. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract
Eye	Corrosive to eyes. Corrosive to eyes; contact can cause corneal burns and result in permanent injury. Draize test: rabbit, eye 1% Severe (sodium hydroxide).
Skin	Hypochlorite bleach, 5.25 %, was irritating in rabbits and guinea pigs under the conditions described in the study. (4hr exposure) Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns. Draise text, rabbit, skin: 500 mg/24h Severe (sodium hydroxide).
Inhalation	Breathing in mists or aerosols may produce respiratory irritation. Delayed (up to 48 hours) fluid build-up in the lungs may occur. Inhalation, rat: LC_{50} = 2300 mg/m^3/2h (sodium hydroxide).

12: Ecological Information

Ecotoxicity	Leuciscus idus melanotus (golden orfe) 48h LC_{50} 189mg/L (sodium hydroxide) LC_{50} (12 hours): pH 4.6 (Daphnia Magna). TLC_{50} values for the different species ranged from 0.005mg/L for oyster larvaeto, P. pugio (invertebrates) and from 0.037mg/L for M. menidia for S. fuscus (vertebrates). (Sodium Hypochlorite)
Persistence/Degradability	Hypochlorite is rapidly degraded. The surfactant in this product is expected to be readily biodegradable according to OECD test guideline 301.
Bio-accumulative Potential	Hypochlorite does not bio-accumulate (log P_{ow} = -0.87 at pH 7; rapid degradation in the environment)
Mobility in Soil	No data available.

13: Disposal Considerations

Disposal Methods	The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility.

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14: Transport Information

UN Number	1824
Shipping Name	SODIUM HYDROXIDE SOLUTION
Class	8
Subsidiary Risk	None allocated
Packing Group	III
Special Precautions For Users	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage
Hazchem Code	2R
IERG (HB76)	37
AERG Number	154

15: Regulatory Information

Packaging & Labelling	This product is a Scheduled Poison (S6) and must therefore 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	June 2018
Changes Made	Complete GHS review.
References	Australian Dangerous Goods Code. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice July 2020. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP). Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)
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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