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Rimon Australia Pty Ltd trading as A Plus Chemical & Fragrances A.C.N. 079 942 537

MATERIAL SAFETY DATA SHEET

SECTION 1. Identification of the Material and Supplier

Product Name: Dishwizz
Recommended Use: Machine dishwashing detergent used by automatic dispenser
Supplier Name: A Plus Chemicals and Fragrances
Telephone: 9370 4829
Fax: 9375 3350
Emergency Tel No: 0410 302 200

SECTION 2. Hazard Identification:

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA.

DANGEROUS GOOD BY CRITERIA OF THE AUSTRALIAN DANGEROUS GOODS CODE: CLASS 8 – CORROSIVE.

Risk Phrases:

R35 Causes severe burns.

Safety Phrases:

S1/2 Keep locked up and out of reach of children.
S13 Keep away from food, drink and animal feedstuffs.
S24/25 Avoid contact with skin & eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or the Poisons Information Centre
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S61 Avoid release into the environment.

SECTION 3. Composition/ Information on Ingredients:

Ingredient	CAS Number	Proportion
Water	7732-18-5	H
EDTA Tetrasodium Salt	64-02-8	M
Sodium Hydroxide	1310-73-2	L
Sodium Metasilicate	10213-79-0	L
H > 60% M 10% – 60% L < 10%		

SECTION 4. First Aid Measures:

Swallowed:

- Drink several glasses of water.
- DO NOT induce vomiting.
- Rinse out mouth thoroughly with water immediately.
- Seek immediate medical assistance or contact the Poisons Information Centre immediately.

Eyes:

- Immediately irrigate with copious amounts of water for at least 15 minutes.
- Eyelids to be held open.
- Seek medical attention without delay if pain or irritation persists.

Skin:

- Wash skin thoroughly with water.
- Remove contaminated clothing and wash before re-use.
- Seek medical advice if irritation, redness, swelling or skin burns occur.

Inhalation:

- Not volatile at room temperature.

Advice to Doctor:

- Treat symptomatically for highly alkaline solution.

First Aid Facilities:

- Ensure an eye bath and a safety shower is available and ready for use.

Additional information: No aggravated medical conditions are known to be caused by exposure to this product.

SECTION 5. Fire Fighting Measures:

Extinguishing Media:

- Solution does not burn. Use extinguishing media suited to the materials that are burning.

Hazards from Combustions Products:

- Carbon dioxide, carbon monoxide and corrosive alkali vapours may be present.

Fire Fighting

- Alert fire brigade and tell them location and nature of the hazard.
- Wear full protective clothing including breathing apparatus and a chemical splash suit.
- Evacuate the area – move up wind of fire.

Fire and Explosion Hazard

- No known fire or explosion hazards – not known to form hazardous decomposition products. Treat fire according to materials actually involved in the fire.

Additional Information

- Hazchem code: 2R
- May generate flammable hydrogen gas if in contact with zinc, tin, magnesium or aluminium.

SECTION 6. Accidental Release Measures:

Spills

- Slippery when spilt.
- Clean up spill immediately and restrict access to area until completion of clean up.
- Contain, prevent run off into drains and waterways.
- Absorb spills with sand, earth or inert materials.
- Place in a suitable, sealable and labelled container for waste disposal.
- To dispose ship to a registered hazardous waster carrier to an approved hazard waste handling depot.
- Personal protective equipment advice is listed in Section 8.

SECTION 7. Handling and Storage:

Handling

- Avoid skin and eye contact.
- DO NOT use for manual dishwashing
- DO NOT mix with hot water
- Ensure an eye bath and safety shower are available and ready for use.
- Any unintended or non-authorised use of this product may result in severe personal injuries including caustic burns, damage to equipment or severe corrosion.

Storage Requirements

- Keep out of reach of children.
- Store in original containers out of direct sunlight.
- Keep containers securely sealed.
- Store in a cool, dry and well-ventilated area, away from incompatible materials and foodstuffs.

SECTION 8. Exposure Controls & Personal Protection:

National Exposure Standards:

- Sodium Hydroxide: 1310-73-2 2mg/m³
- Biological limit value: Not available

Personal Protective Equipment:

Eye

- Use of safety glasses with side shield.

Skin

- Wear impervious plastic or rubber gloves, overalls and protective footwear.

Respirator

- Not usually required when product is used as directed.

Engineering Control Measures

- Ensure adequate ventilation.
- Keep containers sealed when not in use.

SECTION 9. Physical and Chemical Properties:

Physical State: clear, pale yellow liquid.

Odour: Mild.

Boiling Point (°C): 100 °C

Melting Point (°C): N/A

Freezing Point (°C): 0 °C

Flammable limits: Not flammable.

Flash Point: N/A

Water Solubility: Complete

Specific Gravity: 1.18 – 1.21

PH: > 13

SECTION 10. Stability and Reactivity:

Stability

- Stable under normal storage conditions.
- Incompatible with aluminium, tin, zinc, magnesium and acids.

Reactivity

- May react with aluminium, tin, zinc, magnesium and acids.
- No known hazardous products on decomposition.

SECTION 11. Toxicological Information:

No adverse health effects are expected if the product is handled in accordance with this M.S.D.S.

ACUTE HEALTH EFFECTS

Swallowed:

- Corrosive, may cause tissue damage in the mouth, throat and stomach.
- Ingestion may result in nausea, abdominal irritation, pain and vomiting.

Eye:

- This material is corrosive and can cause corneal burns or permanent injury to eyes.

Skin:

- This material is corrosive, may cause moderate burning sensation.
- Repeated or prolonged skin contact may lead to the onset of dermatitis.

SECTION 11. Toxicological Information: (Continued)

Inhaled:

- Irritation to nasal passages likely to result from breathing mist sprays.

CHRONIC HEALTH EFFECTS

Swallowed:

- No known effects

Eye:

- Permanent injury may result

Skin:

- Prolonged or repeated skin contact may cause drying with cracking, irritation and possible contact dermatitis.

Toxicity data:

- Sodium Hydroxide LD50 40gm/kg (mouse intraperitoneal)
- E.D.T.A Tetrasodium LD50 330gm/kg (mouse intraperitoneal)

SECTION 12. Ecological Information:

Ecotoxicity: No data available for this product.

Persistence & Degradability: No data available for this product.

SECTION 13. Disposal Considerations:

- Consult State Land Waste Management Authority for disposal.
- Dispose of material through a licensed waste contractor.
- Bury waste in authorised landfill.

SECTION 14. Transport Information:

Road & Rail Transport: Classified as a Dangerous Good by the criteria of the ADG Code.

U.N. Number: 1719

U.N. Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S

Class & Subsidiary Risk: 8 Corrosive

Special Use Conditions: Corrosive

Hazchem: 2R

SECTION 15. Regulatory Information:

Based upon available information, this product is classified as hazardous according to the health criteria of NOHSC.

Poisonous schedule: Schedule 6

SECTION 16. Other Information:

Abbreviations:

ASCC	Australian Safety and Compensation Council
Cas No	Chemical Abstracts Service Number
NOHSC	National Occupational Health and Safety Commission
pH	Relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline)
P.P.M	Parts per million
U.N No	United Nations Number – being a four-digit number that identifies hazardous substances

Note: The information contained in this bulletin is offered on data that we believe to be reliable and has been prepared in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control.

KEEP ALL CHEMICALS AWAY FROM CHILDREN

Poisons Information Centre all states: 131 126