

PRODUCT NAME: All-In-One

1. IDENTIFICATION OF MATERIAL & SUPPLIER

NAME: Ecowash Solutions Pty Ltd
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SYNONYM(S)
USE(S) Heavy- duty biodegradable dishwashing detergent powder containing quality wetting agents. Designed and formulated to be automatically dispensed through dispensing equipment.
MSDS DATE: 04 July 2011

2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO EU CRITERIA

Hazard Category: Corrosive (C)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOOD

RISK PHRASES

R34 Causes burns.

SAFETY PHRASES

S1/2 Keep locked up and out of reach of children.

S8 Keep container dry.

S13 Keep away from food, drink and animal feeding stuffs.

S22 Do not breathe dust.

S24/25 A void contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S41 In case of fire and/or explosion, do not breathe fumes.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Poison Schedule: S5 [Aust] This material is a Scheduled S5 Poison and must be stored, handled and used according to the appropriate regulations..

Warning Statement: Corrosive.

May produce severe burns. Attacks skin and eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	FORMULA	CAS NO.	CONTENT
SODIUM TRIPOLYPHOSPHATE	Not Available	7758-29-4	1to10%
SODIUM HYDROXIDE	Not Available	1310-73-2	1to10%
DISODIUM METASILICATE	Not Available	6834-92-0	30 to 60%
OTHER NON-HAZARDOUS SUBSTANCES	Not Available	Mixture	1to10%

This product contains:

Alkaline Salts	920 g/KG
Sodium Hydroxide	29 g/KG
Available Chlorine (as SDIC)	32 g/KG

4. FIRST AID MEASURES

EYE	If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. Immediately transport to hospital or doctor.
INHALATION	Remove victim to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.
SKIN	If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap. Immediately transport to hospital or doctor.
INGESTION	If swallowed, DO NOT induce vomiting. If victim is conscious give water to drink. Immediately transport to hospital or doctor.
ADVICE TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash fountain, safety shower and normal wash room facilities.

5. FIRE FIGHTING MEASURES

FLAMMABILITY	Heat or damage to containers may release corrosive or toxic fumes.
FIRE & EXPLOSION	CAUTION: Use of water spray when fighting fire may be inefficient. EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, foam or water fog. SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel. UNUSUAL FIRE AND EXPLOSION HAZARDS: If tanks, drums or containers of this material are heated, they may rupture and project corrosive materials over a wide area.
HAZCHEM CODE	2X

6. ACCIDENTAL RELEASE MEASURES

SPILLAGE	<p>EMERGENCY ACTION: Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Do not walk or touch spilt material unless wearing personal protection as outlined under MSDS. SPILL OR LEAK PROCEDURE: Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour.</p> <p>SMALL SPILLS: Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools. Place into labelled drum(s) for later disposal.</p> <p>LARGE SPILLS: Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.</p>
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7. STORAGE AND HANDLING

STORAGE/ HANDLING	Avoid prolonged breathing of vapors and skin or eye contact. Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents and strong acids. Keep containers tightly closed, when not using the product. Store in original packages as approved by manufacturer.
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8. EXPOSURE CONTROLS / PERSONAL EQUIPMENT

EXPOSURE STANDARDS

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

SODIUM TRIPOLYPHOSPHATE

(Worksafe Australia)

[TWA]10 mg/m³

(OEL)

[TWA]2 mg/m³

SODIUM HYDROXIDE

(Worksafe Australia)

[TWA]2 mg/m³

[STEL]Peak limitation

References: H

(ACGIH)

[STEL]2 (Ceiling)

DISODIUM METASILICATE

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC)

WATER AND OTHER NON-HAZARDOUS SUBSTANCES

No Exposure details available

ENGINEERING CONTROLS

Corrosive solid. Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

PPE

This product is made to be used neat. The following protection equipment is recommended for use in all circumstances where the product is going to be handled.

CLOTHING: Neoprene or nitrile apron GLOVES: Neoprene or nitrile.

EYES: Chemical goggles or face-shield to protect eyes. RESPIRATORY PROTECTION: Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a P1 respirator with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Light blue powder	SOLUBILITY (WATER):	10% Approx.
ODOUR:	Faint smell of chlorine	SPECIFIC GRAVITY:	Not Determined
pH:	11.5 - 12.5	% VOLATILES:	Not Available
VAPOUR PRESSURE:	None	FLAMMIBILITY:	Non Flammable
VAPOUR DENSITY:	Not Available	FLASH POINT:	None
BOILING POINT:	None	UPPER EXPLOSION LIMIT:	Not Available
MELTING POINT:	Not Available	LOWER EXPLOSION LIMIT:	Not Available
EVAPORATION RATE:	Not Available	AUTOIGNITION:	Not Available
DENSITY:	Not Available		

10. STABILITY & REACTIVITY

STABILITY: Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS: Emits choking and corrosive fumes when heated to decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Strong alkalis and oxidizing agents.

CONDITIONS TO AVOID: Incompatibles.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARD SUMMARY	No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:
EYE	Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.
INHALATION	Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination, chest pains, respiratory paralysis and or failure.
SKIN	Will cause burns to the skin, with effects including; Redness, blistering, localised pain and dermatitis.
INGESTION	Will cause burns to the mouth, mucous membranes, throat, oesophagus and stomach. If sufficient quantities are ingested (swallowed) death may occur.
TOXICITY DATA	There is no other toxicological information available for this product.

12. ECOLOGICAL INFORMATION

ENVIRONMENT	Ecotoxicity: In large concentrations, this product is detrimental to the aquatic environment. Mobility: Powder is easily contained, but material is reasonably soluble in large amounts of water. Persistence / Degradability: Inherently Biodegradable. Chemical Fate Information: This substance may cause long term adverse effects in the aquatic environment.
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13. DISPOSAL CONSIDERATION

WASTE DISPOSAL	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
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14. TRANSPORT INFORMATION

UN Number: 3262

Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.

Dangerous Goods Class: 8

Packing Group: II

Label: Corrosive (C)

15. REGULATORY INFORMATION

POISON SCHEDULE S5 [Aust]
AICS All materials are listed.

16. OTHER INFORMATION

ADDITIONAL INFORMATION: Additional Information

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

ABBREVIATIONS:

ADB - Air-Dry Basis.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m³ - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

TWA/ES - Time Weighted Average or Exposure Standard.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This document has been compiled by the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided to Ecowash Solutions obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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