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MATERIAL SAFETY DATA SHEET

The information contained herein is to the best of our knowledge correct and complete.
It is meant to describe safety requirements of this product and no warranty, express of implied is made as to its fitness for a particular purpose or any other nature as to the product to which it refers.

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“Sparkle” Auto Dishwashing Powder

STATEMENT OF HAZARDOUS NATURE: Non-Hazardous according to criteria of Worksafe Australia.

PRODUCT IDENTIFICATION

UN No:	Not required	Spec. E.P.G.:	N/A
HAZCHEM:	Not required	Packaging Group:	N/A
Harmoniz:	3402.13	D.G. Class:	Non hazardous
Sub risk:	N/A	CAS No.:	N/A
Poison:	5 (Fed)	G.T. EPG:	N/A

USE: A powdered chlorinated alkaline cleaner with special applications in mechanical dishwashing machines.

INGREDIENTS:

	CAS No	PROPORTION
Sodium carbonate	497-19-8	10-30%
Sodium tripolyphosphate	7758-29-4	10-30%
Sodium metasilicate	6834-92-0	< 10%
Sodium phosphate	7601-54-9	10-30%
Sodium sulphate	7757-82-6	10-30%
Sodium dichlorisocyanurate	2893-78-9	< 5%
Fatty alcohol ethoxylate	68603-25-8	Trace

PHYSICAL DESCRIPTION / PROPERTIES:

Appearance:	A white free flowing powder.
Boiling Point:	N/A
Melting Range:	Approximately 500°C
Vapour Pressure:	< 0.1mm/Hg @ 20°C
Specific Gravity:	2.4
pH:	of 1% solution 11.8

N/A: - Not applicable.

HEALTH HAZARD INFORMATION

Toxicity Data:

Considered slightly toxic by all exposure routes, due to alkaline nature of product.
LD50 Rat greater than 4.8 mg/kg
Dermal LD50 Rabbit greater than 3 mg/kg
Inhalation : LC50 Rat greater than 2.2 mgm/Lt inspired air per 1 hour (rat)

Acute Effects:

Swallowed:

May be harmful if swallowed, in particular by infants.
Ingestion can result in nausea, vomiting, diarrhoea, abdominal pain and/or convulsions.

Eyes:

A severe eye irritant.
May cause redness and conjunctivitis.

Skin

Contact with skin will result in irritation.

Repeated or prolonged skin contact may have dermatitic effects.

Inhaled:

Inhalation of dust will result in respiratory irritation.
In severe cases congestion of lungs can occur, resulting in shortness of breath.
Pulmonary oedema may result.



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FIRST AID:

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Swallowed:

Rinse mouth out with water.
DO NOT INDUCE VOMITING. Give plenty of water to drink.
In the event of vomiting occurring, give more water to drink to ensure adequate dilution.
Seek medical attention.

Eyes:

Flood eyes with water for at least 15 minutes. Eyelids to be held open.
Seek medical assistance if redness or pain persists.

Skin:

Remove contaminated clothing and wash before re-use.
Launder clothing before re-use.
If redness or irritation persists, seek medical attention.

Inhaled:

Remove victim from exposure. Avoid becoming a casualty.
For all but most minor symptoms arrange for patient to be seen by a doctor as soon as possible.

Advice to Doctor:

Treat symptomatically.
Poisons Information Centre: Phone: Australia 13 1126 New Zealand 13 4747000

PRECAUTIONS FOR USE

Exposure Limits:

No Exposure Limit set by the National Occupational Health and Safety Commission.
Suggested TLV-TWA, 10ppm (nuisance particulates)
TLV is the time weighted average concentration of the work atmosphere over a normal 8 hour work day and 40 hour work week.
Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TLV's are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible.

Engineering Controls:

Avoid generating and inhaling dust. Use with adequate ventilation.
Mechanical ventilation not usually considered necessary.

Personal Protection:

Use rubber or PVC gloves and chemical goggles when handling this product or its solutions.
Wear approved dust respirator if excessive dusting occurs.
Always wash hands before eating, drinking, smoking or using the toilet.

Flammability:

Non flammable.

Environment:

Moderately hazardous to the environment, due to alkalinity of the product.

SAFETY HANDLING INFORMATION

Storage & Transport:

Check containers are clearly labeled.
Store away from acids or reducing agents.
This material is not considered a Dangerous Good under current regulations.

Spills & Disposal:

Avoid contact with skin and eyes and avoid generating or inhaling dusts. While decanting or repacking, ensure to wear a face mask P1 or P2 classification.
Wear overalls, rubber or PVC gloves and boots along with chemical goggles.
Sweep up and place into clean, labeled containers.
Wash down residual material with plenty of water.

Fire/Explosion Hazard:

Non flammable.
May release chlorine and phosphorus oxides as decomposition products.
Extinguish any adjacent fire by methods appropriate to the area.

References :

LENGA Robt. E (Ed). “Safety” Library of Chemical Safety Data
Sigma-Aldrich Corp. EdII 1988.
MERCK INDEX Merck & Company Inc. Rahlway N.J. USA. 1989.

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