

Infosafe No™ VARHL	Issue Date : March 2016	ISSUED by HUNTER
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 Product Name **AUTO DISHWASH POWDER**

Classified as hazardous

1. Identification

GHS Product Identifier AUTO DISHWASH POWDER

Company Name Hunter Industrials Pty Ltd (ABN 083 330 974)

Address 51-53 Lakewood Blvd
Braeside
Vic 3195 Australia

Telephone/Fax Number Tel: (03) 9586 2888
Fax: (03) 9587 9851

Emergency phone number 0409 949 298

E-mail Address sales@huntind.com.au

Recommended use of the chemical and restrictions on use Chlorinated machine dishwashing detergent.

2. Hazard Identification

GHS classification of the substance/mixture Skin Corrosion/Irritation: Category 1B
STOT Single Exposure: Category 3 (respiratory tract irritation)

Signal Word (s) DANGER

Hazard Statement (s) H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statement – General P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) Corrosion, Exclamation mark



Precautionary statement – Prevention P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P363 Wash contaminated clothing before reuse.

Precautionary statement – Storage P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined not to be hazardous		30-60 %
	Disodium metasilicate	6834-92-0	30-60 %

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Ingredients	Name	CAS	Proportion
	Sodium carbonate	497-19-8	10-30 %
	Non hazardous surfactants	Mixture	0-10 %
	Dichloro-1,3,5-triazine trione, sodium salt	2893-78-9	0-10 %
	Sodium hydroxide	1310-73-2	1.6%

4. First-aid measures

Inhalation	Remove from exposure, rest and keep warm. Unless exposure has been slight, obtain medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Give a glass of water to be taken slowly. Obtain medical attention.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use. If symptoms of irritation persist, see a doctor.
Eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Eye wash. Hand wash basin.
Advice to Doctor	Product contains a low proportion of sodium hydroxide, disodium metasilicate and SDIC. Vomiting has not been induced because of risk of aspiration into the lungs. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted. Contact Poisons Information Centre.

5. Fire-fighting measures

Suitable extinguishing media	Use dry chemical, carbon dioxide, foam or water fog.
Hazards from Combustion Products	Carbon dioxide, water vapour, sodium carbonate, oxides of sulphur, chlorine, sodium hypochlorite, cyanuric acid.
Specific hazards arising from the chemical	Not flammable. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Will react vigorously or violently with acids, generating much heat, and giving off carbon dioxide, a simple asphyxiant and chlorine gas, a toxic gas. Contact with ammonium compounds will generate ammonia, a poisonous gas. 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

Spills & Disposal	Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. CARE! Spillages will be slippery when wet. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water.
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7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well ventilated place, out of reach of children. Large quantities should be stored in a dangerous goods store. Store in original container. Keep container tightly closed. Keep container dry. Keep away from acids, aluminium, tin, zinc and galvanised iron. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.
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8. Exposure controls/personal protection

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Occupational exposure limit values	<u>Name</u>	STEL		TWA		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Sodium hydroxide			2		Peak limitation
Appropriate engineering controls	Do not use on aluminium, tin, copper or copper alloys, zinc or galvanised iron. If dust risk exists, consider local mechanical exhaust/extraction to keep airborne contamination below TLV.					
Personal Protective Equipment	Avoid contact with the skin. Prevent contact with the eyes. Avoid breathing the dust. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Face shield or safety glasses Gloves, rubber or plastic Plastic apron, sleeves and boots Impervious overalls. Dust mask. In case of vapour: 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. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.					

9. Physical and chemical properties

Form	Solid
Appearance	White powder.
Odour	Slight smell of chlorine / alkaline.
Melting Point	No data.
Solubility in Water	Approx. 10% soluble in water, with generation of heat.
pH	11.5-12.5 (1% solution)
Vapour Pressure	None
Flash Point	None.
Flammability	Not flammable.
Auto-Ignition Temperature	No data for the mixture. Sodium dichloroisocyanurate will undergo self-sustaining decomposition with evolution of heat if heated to 240 - 250 °C.
Other Information	Alkaline. Hygroscopic. Will absorb moisture and carbon dioxide from the air. Will react vigorously with acids, generating heat and carbon dioxide, a simple asphyxiant and chlorine, a toxic gas. Contact with moisture will generate chlorine. May react violently with calcium hypochlorite. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Contact with ammonium compounds will generate ammonia, a poisonous gas.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Heat, flames, ignition sources and incompatibles.
Incompatible Materials	Stron alkalis, acids, oxidizing agents, ammonium salts.
Hazardous Decomposition Products	Emits choking and corrosive fumes when heated to decomposition.

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11. Toxicological Information

Toxicology Information	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:
Acute Toxicity - Oral	LD 50 : Sodium hydroxide No data LDLo : Sodium hydroxide 500 mg/kg oral, rabbit LD 50 : Sodium dichloroisocyanurate 700 mg/kg oral, rat 6,000 mg/kg skin rabbit
Ingestion	Irritant. May cause burns to mouth and throat, nausea, vomiting, abdominal pains and diarrhoea (occasionally bloody). Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring.
Inhalation	Severe irritation of the nose and throat. Can cause inflammation of the lungs.
Skin	Will cause burns to the skin, with effects including; Redness, blistering, localised pain and dermatitis.
Eye	Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.
Chronic Effects	Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

12. Ecological information

Ecotoxicity	Toxic to fish and aquatic organisms.
Persistence and degradability	Inherently Biodegradable.
Mobility	Powder is easily contained, but material is reasonably soluble in large amounts of water.
Environmental Fate	This substance may cause long term adverse effects in the aquatic environment.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

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

Transport Information	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.
U.N. Number	3262
UN proper shipping name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
Transport hazard class(es)	8
Hazchem Code	2X
Packaging Method	3.8.8
Packing Group	II
IERG Number	37

15. Regulatory information

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Poisons Schedule	S5
Hazard Category	Corrosive
AICS (Australia)	All components listed.

16. Other Information

Signature of Preparer/Data Service Technical Manager 03 9580 2499

Technical Contact Numbers Emergency Advice All Hours:
Tel: 0409 949 298 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs

Other Information This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.
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