

SAFETY DATA SHEET

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Dishwash Machine Power White

Other Identifier: Alkaline Salts

Recommended Use: For use in dishwash machines

Supplier: Big Bubble
ABN: 51 290 656 636

Street Address: 18 Elliott Street
Midvale
Western Australia

Telephone Number: +61 08 9274 1992

Poisons Information Centre: 131 126 Australia

2. HAZARDS IDENTIFICATION

Road and Rail; Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Globally Harmonised System

Hazard Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories

Serious Eye Damage/Irritation – Category 1

Skin Corrosion/Irritation – Category 1

Reproductive Toxicity – Category 1

Specific Target Organ Toxicity (Single Exposure) – Category 3

Pictogram



Name of pictogram

Corrosive

Serious health hazard

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Signal Word

Danger

Hazard Statements

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary Statement

Prevention

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection/face protection.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER or doctor if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice

P363 Wash contaminated clothing before reuse.

P370 In case of fire: Use water for extinction.

P390 Absorb spillage to prevent material-damage.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P406 Store in corrosive resistant container with a resistant inner layer.

Disposal

P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

Poisons Schedule: Not scheduled

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Sodium carbonate	497-19-8	30-60%
Sodium metasilicate	10213-79-3	10-30%
Carbonic acid, disodium salt, compound with hydrogen peroxide (2:3)	15630-89-4	10-30%
Sodium perborate	10486-00-7	5-10%
Carbonic acid, disodium salt	497-19-8	<10%
Alcohols, C9-11, ethoxylated propoxylated	103818-93-5	<1%
Ingredients determined not to be hazardous		Balance %

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4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ingestion:	IF SWALLOWED: Rinse mouth thoroughly, then drink plenty of water. Do NOT induce vomiting. Call a Poison Centre or doctor/physician for advice. If vomiting occurs, give further water. Never give anything by mouth to an unconscious person.
Eye Contact:	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. If respiratory symptoms persist, get medical advice/attention. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or proper respiratory medical device. Administer oxygen if breathing is difficult.
Medical attention and special treatment:	Treat symptomatically. Keep victim calm and warm. Effects to exposure (inhalation, ingestion, or skin contact) to substance may be delayed. Ensure that attending medical personnel are aware of identity and nature of the product(s) involved and take precautions to protect themselves.

5. FIRE FIGHTING MEASURES

General	Remove persons from danger area. If safe to do so, move undamaged containers from fire area. Cool containers with water spray until fire is out. Contain runoff from fire control or dilution water – Runoff may be corrosive and/or toxic and may cause pollution.
Flammability Conditions	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
Suitable Extinguishing Media:	If material is involved in a fire, use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction. Use extinguishing media suitable for type of surrounding fire.
Fire and Explosion Hazards	Decomposes on heating, emitting toxic fumes. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.
Hazardous combustion products:	Fire or heat may produce irritating, toxic and/or corrosive fumes including Carbon dioxides, Sodium oxides, Carbon monoxides and oxygen.

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Precautions for fire fighters and special protective equipment: Wear positive pressure self-contained breathing apparatus (SCBA). Wear liquid-tight chemical protective clothing. Structural firefighters' protective clothing will only provide limited protection.

Auto Ignition temperature: No Data Available

Decomposition Temperature: No Data Available

Flammability: No Data Available

Flash Point: No Data Available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Spill or leak area should be isolated immediately. Evacuate personnel to safe areas. Keep unauthorised personnel away.

Protective equipment: Wear protective equipment to prevent skin and eye contact and breathing in dust (see SECTION 8).

Emergency procedures: Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks, or flames). Do not touch or walk-through spilled material – slipping hazard! Avoid dust formation. Avoid breathing dust and contact with skin, eyes, and clothing.

Environmental Precautions: Prevent entry into soil, drains, and waterways. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for Containment and clean up: Sweep or vacuum up but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal (see SECTION 13). Stop leak if safe to do so – Prevent entry into waterways, drains, or confined areas. After cleaning, flush away any residual traces with water.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage: Keep in properly labelled original container or suitable packaging material i.e., Polyethylene, woven plastic material + PE. Do not store in moisture permeable material. Store in a cool, dry, and well-ventilated place, out of direct sunlight. Keep containers closed when not in use – check regularly for spills. Avoid moisture/humidity. Avoid extreme heat. Keep away from foodstuffs and incompatible materials (see SECTION 10).

Precautions for safe handling: Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Use only outdoors or in a well-ventilated place. Handle in accordance with good industrial hygiene and safety practices. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin, and clothing. Do not ingest. Use personal

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protective equipment as required (see SECTION 8). Avoid extreme heat and contact with incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	No data available.
Biological Monitoring	No information available.
Engineering Controls	A system of local and/or general exhaust is recommended to keep employee's exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant source, preventing dispersion of it into the general work area.
Personal Protective Equipment	
Eye and Face	Wear appropriate eye protection to prevent eye damage. Recommended: Safety glasses with side shields or protective goggles.
Skin	Hand protection: Handle with gloves. Recommended: Impervious gloves, e.g., neoprene, natural rubber. Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Long-sleeved protective clothing; Overalls or dust impervious protective suit; Apron (rubber or plastic); Safety shoes or boots (rubber or plastic).
Respiratory	Wear respiratory protection in case of inadequate ventilation or an inhalation risk exists. Recommended: Dust mask/particle respirator (refer to AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid/Granules
Colour:	White
Odour:	Odourless
pH:	9.85 @ 1% solution
Solubility:	No Data Available
Auto Ignition temperature:	No Data Available
Decomposition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available

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Boiling Point:	No Data Available
Melting/Freezing Point:	No Data Available
Freezing Point	No Data Available
Odour Threshold:	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Relative Density:	No Data Available
Upper Flammability Limit	No Data Available
Lower Flammability Limit:	No Data Available
Explosive limits:	No Data Available
Vapour density:	No Data Available
Vapour pressure;	No Data Available
Viscosity:	No Data Available
Biopersistence:	No Data Available
Crystallinity:	No Data Available
Dustiness:	No Data Available
Particle size:	No Data Available
Redox potential:	No Data Available
Release of invisible flammable vapours and gases	No Data Available
Saturated Vapour Concentration	No Data Available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions. May be unstable above 60°C.
Conditions to avoid:	Avoid generating dust. Avoid exposure to moisture. Avoid exposure to heat.
Incompatible materials:	Incompatible/reactive with strong acids, strong oxidising agents, phosphorous pentoxide, aluminium, brass, bronze, copper, lead, tin, magnesium, iron, zinc, fluorine.
Hazardous decomposition products:	Decomposes on heating, emitting toxic fumes, including Carbon dioxide, Sodium oxide, Carbon monoxide and oxygen. Contact with metals may evolve hydrogen gas.

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Hazardous reactions or Polymerisation: Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Exposure Limits: Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m³.

Ingestion: May cause severe irritation, nausea, abdominal pain, vomiting and diarrhoea.

Eye contact: Causes serious eye damage. Corrosive to eyes – May cause permanent injury, blindness.

Skin contact: Causes severe skin burns, redness, and pain.

Inhalation: May cause cough, nose, throat, and lung irritation.

Acute Toxicity: Not estimated to have an acute toxicity.

Carcinogenity: Not considered to be carcinogenic.

Mutagenicity: Not considered to be genotoxic.

Reproductive May damage unborn child.

12. ECOLOGICAL INFORMATION

Ecotoxicity: High concentrations will injure aquatic life.

Persistence and degradability: Disassociates in water and disperses in various media.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.

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14. TRANSPORT INFORMATION

Road and Rail Transport Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

UN number:	N/A
Proper shipping name;	Dishwash Machine Powder White
DG Class	N/A
Packing group	N/A
Environmental hazards for transport purposes	N/A
Special Precaution for user	N/A
Hazchem	N/A

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

UN number:	N/A
Proper shipping name;	Dishwash Machine Powder White
DG Class	N/A
Packing group	N/A
Environmental hazards for transport purposes	N/A
Special Precaution for user	N/A
Hazchem	N/A

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

UN number:	N/A
Proper shipping name;	Dishwash Machine Powder White
DG Class	N/A
Packing group	N/A
Environmental hazards for transport purposes	N/A
Special Precaution for user	N/A
Hazchem	N/A

15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled

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16. OTHER INFORMATION

Revision date: 21/08/2023

Reason for issue: Update SDS

Key/Legend:

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square Centimetres

CO₂ Carbon Dioxide

COD Chemical Oxygen Demand

deg C (°C) Degrees Celcius

g Grams

g/cm³ Grams per Cubic Centimetre

g/l Grams per Litre

HSNO Hazardous Substance and New Organism

IDLH Immediately Dangerous to Life and Health

immiscible Liquids are insoluble in each other.

inHg Inch of Mercury

inH₂O Inch of Water

K Kelvin

kg Kilogram

kg/m³ Kilograms per Cubic Metre

LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD₅₀ LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

ltr or **L** Litre

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre; **mmH₂O** Millimetres of Water

mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health

NOHSC National Occupational Health and Safety Commission

OECD Organisation for Economic Co-operation and Development

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion

ppm Parts per Million

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ppm/2h Parts per Million per 2 Hours^{[1][1]}_[SEP]

ppm/6h Parts per Million per 6 Hours^{[1][1]}_[SEP]

psi Pounds per Square Inch^{[1][1]}_[SEP]

R Rankine^{[1][1]}_[SEP]

RCP Reciprocal Calculation Procedure

STEL Short Term Exposure Limit

TLV Threshold Limit Value^{[1][1]}_[SEP] the Tonne^{[1][1]}_[SEP]

TWA Time Weighted Average

ug/24H Micrograms per 24 Hours

UN United Nations

wt Weight

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.