



## SAFETY DATA SHEET

### PRODUCT NAME: Professional D/Wash Machine Powder

Classified as hazardous according to the criteria of WHS model Regulations

#### 1.0 IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

**Product Name:** Professional D/Wash Machine Powder  
**Product use:** Alkaline detergent powder for machine dishwashing.  
**Not recommended for:** For industrial use only. Do not use for any other purpose.  
**Company Details:** BRACTON CHEMICALS™ - A DIVISION OF SOSAFE™ SPECIALTY PRODUCTS  
**Telephone /Fax:** Tel +61 02 99389444 Fax +61 02 9905 0979  
**Emergency Tel:** Tel +61 02 99389444

#### 2.0 HAZARDS IDENTIFICATION

##### WHS:

**Dangerous Goods:** Classified as dangerous goods according to the ADG code  
**Hazardous Substances:** Classified as hazardous according to the criteria of WHS model Regulations  
**Hazard Category:** Corrosive 8.  
**Other Information:** IF SWALLOWED: Call a POISON CENTRE or doctor/physician.

##### GHS Classification:

Hazard	Category	Type
Nil	Nil	Physical
Acute toxicity Oral	3	Health
Skin corrosion	1B	
Serious eye damage	1	
Acute aquatic toxicity	3	Environmental

##### GHS Label Elements:

<b>Signal Word:</b>	<b>Danger</b>	
<b>Pictogram:</b>	GHS05, GHS09	

**Hazard Statements:**

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H402	Harmful to aquatic life
AUH031	Contact with acids will liberate toxic gases.

**Precautionary Statements:**

Code	Prevention	Code	Response	Code	Storage	Code	Disposal
P102	Keep out of reach of children	P301	If swallowed do not induce vomiting. Rinse mouth with water	P403, P235	Store in a well-ventilated place. Keep cool.	P501	Dispose of in accordance with local regulations
P103	Read label before use	P303, 361, 353	If on skin, remove contaminated clothing, rinse skin with water	P405	Store locked up		
P260	Do not breathe vapours or sprays	P304,340	If inhaled, remove person to source of fresh air				
P234	Keep only in original container						
P270	Do not eat drink or smoke when using this product						
P273	Avoid release to the environment						
P280	Wear protective gloves, and eye protection						

**3.0 COMPOSITION / INFORMATION ON INGREDIENTS**

**General Information on ingredients:** Product is based on silicate salts and complex phosphates.

Ingredient Name	CAS number	% Weight	Classification	Level	GHS H-Codes
Sodium metasilicate Pentahydrate.	6834-92-0	<60%	Skin corrosion Serious eye irritation	1B 1	H314 H318
Non-hazardous Ingredients	Proprietary	20-30%	Nil	Ni	Nil
Water	N/A	Rem.			

**4.0 FIRST AID MEASURES**

**General Information:** For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a physician. Show this safety data sheet to the doctor in attendance.

**- Notes to Physician**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician.

- Ingestion:** If person is conscious rinse mouth with water. Do not induce vomiting without medical advice. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If victim is conscious, give water to further dilute the chemical.
- Skin Contact:** In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation or redness occurs. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.
- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a POISON CENTRE or doctor/physician if irritation persists.

## 5.0 FIRE FIGHTING MEASURES

- Extinguishing Media:** Use extinguishing media suitable for surrounding fire situation.
- Specific Hazards:** Nil
- Advice to Firefighters:** Firefighters should wear Self-Contained Breathing Apparatus and full protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area
- Hazchem Code:** 2X

## 6.0 ACCIDENTAL RELEASE MEASURES

- Spills and Disposal:** Wear suitable protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from area. Bund area using inert absorbent material such as sand, then collect in plastic containers. Alert local authorities if large spills cannot be contained. Dispose of residues to approved land fill in accordance with local regulations. Do not allow residues to enter storm water drains. Clean area using detergent and water to avoid slippery residues.

## 7.0 HANDLING AND STORAGE

- Handling** Always add product to water, never water to product. It is recommended that all who come into contact with the concentrated material be appropriately covered to avoid skin and eye contact, and maintain good standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Keep container closed and bung in place when not in use. When handling product ensure good ventilation is maintained through either natural airflow, or mechanical systems.
- Storage** Always store in original containers. If container is damaged transfer contents to a PVC or polyethylene container. Never store in a metal container. Keep containers closed when not in use and securely stored to

avoid physical damage. Always store away from possible areas of high temperature. Inspect containers regularly for deficiencies such as damage or leaks.

## 8.0 EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	No exposure limit has been established for this product.
<b>Respiratory Protection</b>	Not necessary for general use of the product. Ensure adequate ventilation, especially in confined areas. However, in case of insufficient ventilation, wear suitable respiratory equipment. Wear a positive-pressure supplied-air respirator. Reference should be made to Australian Standards AS/NZS 1715
<b>Eye Protection</b>	Wear safety glasses to avoid accidental splashes.
<b>Hand Protection</b>	Wear impervious vinyl or rubber gloves when handling concentrate.
<b>Body Protection</b>	Light duty impervious rubber or plastic protective clothing or apron is recommended
<b>Engineering Controls</b>	Not required for general use other than good natural ventilation. For confined space work ensure mechanical ventilation is applied.
<b>Other Information</b>	Prevent spills from entering natural waterways.

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White granular powder
<b>Odour</b>	Lemon
<b>Boiling Point</b>	No Data
<b>pH</b>	13 (1% solution)
<b>Solubility in Water</b>	Soluble in all proportions
<b>Specific Gravity</b>	N/A Powder.
<b>Physical State</b>	Powder
<b>Flash Point</b>	N/A
<b>Flammability</b>	Not flammable
<b>Flammability Limit LEL</b>	N/A
<b>Flammability Limit UEL</b>	N/A

## 10.0 STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions of storage handling and use
<b>Hazardous Polymerisation</b>	Will not occur
<b>Materials to avoid</b>	Strong acids.
<b>Hazardous decomposition Products</b>	Possible Carbon mono and dioxides.
<b>Hazardous Reaction</b>	May emit toxic chlorine gas if mixed with acids.

## 11.0 TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	Not available for this product
<b>Inhalation</b>	No data

<b>Ingestion</b>	Not a likely source of exposure, however, any contact with concentrate will cause irritation. Potential symptoms of ingestion include nausea, diarrhoea, abdominal pain and vomiting.
<b>Skin</b>	Will cause tissue damage on contact with both the concentrate and the diluted product.
<b>Eye</b>	Corrosive to eyes. Will cause tissue damage even with contact with very dilute solutions. Immediate irrigation with water is recommended
<b>Sensitizing effects</b>	None Known. Not expected to be a sensitizer
<b>Chronic effects</b>	No known adverse effects

## 12.0 ECOLOGICAL INFORMATION

<b>Eco Toxicity</b>	Toxic to the terrestrial vertebrates
<b>Aquatic Toxicity</b>	Harmful to aquatic organisms
<b>Biodegradability</b>	Readily biodegradable
<b>Bioaccumulation</b>	No Data available, but not expected to bio-accumulate

## 13.0 DISPOSAL CONSIDERATIONS

<b>General</b>	Dispose of waste according to federal, E.P.A., state and local regulations, for flammable goods. Assure conformity with all applicable regulations
<b>Containers</b>	Before disposing of empty containers, ensure contents are washed out and collected. Do not disposed of unwashed containers.

## 14.0 TRANSPORT INFORMATION

### Road and Rail Transport

Classified as dangerous goods according to the ADG code

<b>Proper shipping name</b>	Corrosive solids. N.O.S.
<b>UN Number</b>	1759
<b>Class</b>	8
<b>Packing Group</b>	II
<b>Hazchem Code</b>	2X

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

<b>Proper shipping name</b>	Corrosive solids. N.O.S.
<b>Un Number</b>	1759
<b>Class – Primary</b>	8
<b>Packing Group</b>	II

**Air Transport**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous goods Regulations for transport by air.

**Proper shipping name** Corrosive solids. N.O.S.  
**Un Number** 1759  
**Class – Primary** 8  
**Packing Group** II

**15.0 REGULATORY INFORMATION****Precautionary Statements**

H302 Harmful if swallowed  
H314 Causes serious skin burns and damage to eyes  
H318 Causes serious eye damage  
H402 Toxic to aquatic life  
AUH031 Contact with acids will liberate toxic gases.

**Poisons schedule  
AICS (Australia)**

Schedule 5  
All ingredients are listed in the Australian Inventory of Chemical Substances (AICS).

**16.0 OTHER INFORMATION**

*This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*