



# SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: PRESOAK POWDER

Date of Issue: DEC 2012

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## SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**SUPPLIER:** Custom Chemicals international Pty Ltd  
**ADDRESS:** 103-107 Potassium Street, Narangba 4504 Queensland Australia  
**Trade Name:** **“PRESOAK POWDER”**  
**TELEPHONE:** +617 3204 8300 **FAX:** +617 3204 8311  
**AHEMERGENCY TELEPHONE:** 13 1126 in Australia **ABN:** 73 050 573 674  
**Substance:** Powder cleaner **Product Use:** Detergent  
**Creation Date:** DEC 2012 **Revision Date:** DEC 2017  
**Product Code:** 0010175; 0051860[5KG], 0051861[10KG], 0051862[20KG], 0051863[20KG]

## SECTION 2 – HAZARDS IDENTIFICATION

- This product is **classified as HAZARDOUS (Irritant)** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.
- This product is **classified as a Schedule 5 Poison** according to the SUSMP.

**Approved NOHSC Classification**

Xi – Irritant  
R36/38  
S(1/2), S22, S24/25, S26, S36/37/39, S45



<b>UN Number</b>	None allocated	<b>ADG Classification</b>	None allocated
<b>Shipping Name</b>	None allocated	<b>ADG Subsidiary Risk</b>	None allocated
<b>Hazchem Code</b>	None allocated	<b>Packing Group</b>	None allocated
<b>SUSMP Classification</b>	S5 CAUTION		

### EMERGENCY OVERVIEW

<b>Colour</b>	White	<b>Odour</b>	Fragrant
<b>Physical Description</b>	Powder	<b>Viscosity</b>	Powder
<b>Major Health Hazards</b>	None known		

## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication “List of Designated Hazardous Substances” or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication “Approved Criteria for Classifying Hazardous Substances”.

Ingredients:	CAS Number:	Proportion:	Exposure Standards	Exposure Standards
			TWA	STEL
Disodium metasilicate	6834-92-0	< 10% w/w	not set	not set
Sodium carbonate	497-19-18	30 – 60% w/w	not set	not set
Sodium dodecylbenzenesulphonate	25155-30-0	< 10% w/w	not set	not set
Sodium percarbonate	15630-89-4	10 - 30 % w/w	10 mg/m3	not set
Ingredients determined to be non-hazardous	Various	10 - 30% w/w	not set	not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term “peak” is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.



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### SECTION 4 – FIRST AID MEASURES

<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities</b>	Normal washroom facilities.
<b>Skin contact</b>	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
<b>Ingestion</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
<b>Inhalation</b>	Remove person to fresh air- avoid exposure. Remove contaminated clothing and loosen remaining clothing. Seek medical advice if required (e.g. doctor).
<b>Advice to Doctor</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
<b>Aggravated Medical Conditions</b>	None known.

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Not combustible. However if involved in a fire will emit toxic fumes. Oxidiser. Oxygen released on exothermic decomposition may support combustion in case of surrounding fire. Pressure burst may occur due to decomposition in confined spaces/containers. Wet product decomposes exothermally and may cause combustion of organic materials.
<b>Extinguishing Media</b>	Use carbon dioxide (CO <sub>2</sub> ) fire extinguisher, foam, dry powder, water fog or fine water spray.
<b>Fire Fighting</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
<b>Flash Point</b>	None

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	No HAZCHEM code.
<b>Occupational Release</b>	Minor spills do not normally need any special clean-up measures. Rinse with water. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material should be shoveled up into appropriately labelled drums for disposal by an approved agent according to local conditions. Neutralize residues with acid, eg vinegar and flush spill area with water. Residual deposits will remain slippery. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

### SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
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## Storage

Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Limits

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

**Time-weighted Average (TWA):** None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

**Short Term Exposure Limit (STEL):** None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

### Biological Limit Value

None established for product.

### Engineering Controls

Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating dusts of the product. Use only in a well-ventilated area. Ensure airflow, where this product is used, is directed away from the operators.

### Personal Protective Equipment

This product is a low hazard laundry washing powder. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;

### Eye Protection



Not normally required for automatic washing applications using solutions of the product. The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.

### Skin Protection



Generally not required for machine laundry operations. Overalls, apron, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

### Protective Material Types

Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

### Respirator

Not required for normal cleaning operations. Wear a dust mask if exposure to dust is prolonged.



## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Uniform powder	Colour	White
Odour	Fragrant	Specific Gravity	1.0 – 1.02 @ 25 °C
Boiling Point	Not available	Freezing Point	Not available
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not flammable	Flammable Limits	None
Water Solubility	Miscible in all proportions	pH	10.0 – 11.5 @ 1% sol'n
Volatile Organic Compounds (VOC)	0 % v/v	Coefficient of Water/Oil Distribution	Not available
Viscosity	Solid	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	Ca 5 % v/v



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## SECTION 10 – STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	Avoid contact with heat or heat sources.
<b>Incompatible Materials</b>	Reducing agents, oxidizing agents, acids, bases, salts of heavy metals, organic materials, and flammable substances.
<b>Hazardous Decomposition Products</b>	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours. Oxygen - decomposition releases steam and heat.
<b>Hazardous Reactions</b>	None known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

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:

#### Ingestion

**short term exposure** This product, containing ingredient Sodium percarbonate, may cause severe irritation of the mouth, throat, esophagus and stomach, bloating of stomach, belching, nausea and vomiting.

**long term exposure** No information available.

#### Skin contact

**short term exposure** Concentrated product may cause skin irritation. Prolonged contact with concentrated solutions may be irritating. Properly diluted wash solutions not expected to be irritating.

**long term exposure** Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals.

#### Eye contact

**short term exposure** This product, containing ingredient Sodium carbonate, may cause severe eye irritation, watering, redness; can cause burns to the eyes.

**long term exposure** No information available.

#### Inhalation

**short term exposure** No dust generally associated with this form of the product. Exposure to intentionally generated dusts of this product may cause slight nose and throat irritation.

**long term exposure** No dust generally associated with this form of the product. In case of repeated or prolonged term exposure to generated dust, risk of sore throat, nose bleeds, bronchitis.

#### Carcinogen Status

**NOHSC** No significant ingredient is classified as carcinogenic by NOHSC.

**NTP** No significant ingredient is classified as carcinogenic by NTP.

**IARC** No significant ingredient is classified as carcinogenic by IARC.

**Medical conditions aggravated by exposure** No information available.

### PRODUCT MIXTURE INFORMATION

**Local Effects** Irritant: eye, skin, inhalation and ingestion.

**Target Organs** Skin, mucous membranes, eyes.

### CLASSIFICATION OF INDIVIDUAL INGREDIENTS

Ingredients	R-Phrases.
Sodium percarbonate	R8, R36/38
Disodium metasilicate	R34, R37
Sodium carbonate	R36
Sodium dodecylbenzenesulphonate	R22

### Individual Ingredient Information



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**NOTE : This information relates to each individual ingredient, when evaluated as pure undiluted chemical. See Section 3 for actual proportions present in this product.**

## 100% SODIUMPERCARBONATE

<b>Irritation Data</b>	Dermal: LD50, rabbit, >2000 mg/kg. Irritation: • Rabbit, Severe damage (eyes). • Rabbit, Slight irritant (skin).
<b>Toxicity Data</b>	Oral: LD50, rat (combined sexes), 1034 mg/kg. Inhalation: LC50, 1 hour, rat, >4580 mg/m <sup>3</sup> .
<b>Local Effects</b>	Irritant: inhalation, skin, eye.
<b>Target Organs</b>	Skin, eyes, mucous membranes.
<b>Acute Toxicity Level</b>	Toxic: inhalation, dermal absorption, ingestion.
<b>Sensitisation Data</b>	No sensitization was noted when administered as a 75% w/v mixture during induction & as a 25% w/v mixture at challenge.
<b>Reproductive Effects Data</b>	No data.

## 100% DISODIUM METASILICATE

<b>Irritation Data</b>	Hazardous in case of skin contact (corrosive), of ingestion (corrosive), of inhalation (lung irritant). Causes burns Eye: Risk of serious damage to eyes. Respiratory: Irritating to respiratory system. Sensitization: No sensitizing (30% w/w in a formulation). 250 mg/24 hour(s) skin-human : severe, 250 mg/24 hour(s) skin-rabbit : severe 250 mg/24 hour(s) skin-guinea pig : moderate.
<b>Toxicity Data</b>	1153 mg/kg oral-rat LD50; 770 mg/kg oral-mouse LD50; 250 mg/kg oral-dog LDLo; 250 mg/kg oral-pig LDLo; 200 mg/kg intraperitoneal-guinea pig LDLo. Other toxicological information: The toxic effects of the product are caused by the alkalinity and not by substance specific corrosive nature of the product.
<b>Local Effects</b>	Corrosive: inhalation, skin, eye, ingestion
<b>Target Organs</b>	Skin, mucous membranes, eyes.
<b>Acute Toxicity Level</b>	Moderately Toxic: ingestion
<b>Mutagenic Data</b>	Genotoxicity: Not mutagenic (in vitro)
<b>Reproductive Effects Data</b>	15 gm/kg oral-rat TDLo 14 week(s) male week(s) pre pregnancy/14 week(s) post pregnancy/3 week(s) continuous; 9766 ug/kg subcutaneous-rat TDLo 1 day(s) male; 9766 ug/kg intratesticular-rat TDLo 1 day(s) male.

## 100% SODIUM CARBONATE

<b>Irritation Data</b>	Repeated or prolonged skin contact may result in dermatitis and/or ulceration of the skin. Prolonged inhalation may lead to perforation of the nasal septum. SKIN IRRITATION (rabbit): Moderate skin irritant (500 mg; 24 hr-exposure). EYE IRRITATION (rabbit): Severe eye irritant (100 mg; 24 hr-exposure) Male rats exposed to an aerosol of a 2% aqueous solution of sodium carbonate (particle size less than 5 microns in diameter) for 4 hours/day, 5 days/week for 3 1/2 months showed no pronounced effects. Exposure to extremely high concentrations (approx. 70 mg/m <sup>3</sup> ) resulted in reduction in weight gain and cellular changes in the lungs (probably due to irritation). SKIN: 50% aqueous solution applied to intact and abraded skin of rabbits, guinea pigs and human volunteers. No effect on intact skin. Abraded guinea pig skin affected minimally. Abraded rabbit and human skin showed mild irritation. Pregnant mice, rats and rabbits orally intubated (intra-gastric administration) with low to very high doses of aqueous sodium carbonate solution. No positive findings reported.
<b>Toxicity Data</b>	Lethal dose (rat, oral): 4000 mg/kg LC50 (rat, inhalation): 2100-2500 mg/m <sup>3</sup> ; duration of exposure, 2 hr. (91% sodium carbonate aerosol); whole body exposure (3). LC50 (mouse, inhalation): 1200 mg/m <sup>3</sup> ; duration of exposure, 2 hr. (95% sodium carbonate aerosol); whole body exposure (3). LC50 (guinea pig, inhalation): 800 mg/m <sup>3</sup> ; duration of exposure, 2 hr. (95% sodium carbonate aerosol); whole body exposure (3).
<b>Local Effects</b>	Corrosive/Irritant: inhalation, skin, eye.
<b>Target Organs</b>	Eyes, skin, mucous membranes.
<b>Acute Toxicity</b>	No available information.
<b>Mutagenic Data</b>	No available information.
<b>Reproductive Effects</b>	No available information.

## 100% SODIUM DODECYLBENZENESULFONATE

<b>Irritation Data</b>	20 mg/24 hour(s) skin-rabbit moderate; 250 ug/24 hour(s) eyes-rabbit severe; 1 percent eyes-rabbit severe.
<b>Toxicity Data</b>	438 mg/kg oral-rat LD50; 1330 mg/kg oral-mouse LD50; 105 mg/kg intravenous-mouse LD50; 3040 mg/kg/30 day(s) continuous oral-rat TDLo; 5 gm/kg/30 day(s) intermittent oral-mouse TDLo.
<b>Local Effects</b>	Irritant: inhalation, skin, eye.



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**Target Organs** Eyes, skin, mucous membranes.  
**Acute Toxicity Level** Harmful: ingestion.  
**Mutagenic Data** No available information.  
**Reproductive Effects** No available information.  
**Carcinogenicity** Not classed as a carcinogen by NOHSC.

## SECTION 12 – ECOLOGICAL INFORMATION

**Fish toxicity** None available for specific product.  
For ingredient sodium percarbonate:  
• Fish, Pimephalespromelas; LC50, 70.7 mg/L.  
• Fish, Pimephalespromelas; NOEC, 96 hours, 1 mg/L.  
• Crustaceans, Daphnia pulex; EC50, 4.9 mg/L.  
• Crustaceans, Daphnia pulex; NOEC, 48 hours, 1 mg/L.

**Algae toxicity** None available for specific product.  
**Invertebrates toxicity** None available for specific product.  
**Toxicity to Bacteria** None available for specific product.  
**OECD Biological degradation** Individual components stated to be biodegradable.  
**General** Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

## SECTION 13 – DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. Do not put down the drain.

## SECTION 14 – TRANSPORT INFORMATION

<b>UN Number</b>	None allocated	<b>ADG Classification</b>	None allocated
<b>Shipping Name</b>	None allocated	<b>ADG Subsidiary Risk</b>	None allocated
<b>Hazchem Code</b>	None allocated	<b>Packing Group</b>	None allocated
<b>Packaging Method</b>	None allocated	<b>Special Provisions</b>	None allocated
<b>Segregation</b>	None allocated		

## SECTION 15 – REGULATORY INFORMATION

**Labeling Details**

<b>HAZARD</b>	Xi	IRRITANT
<b>RISK PHRASES</b>	R36/38	Irritating to skin and eyes.
<b>SAFETY PHRASES</b>	S1/2	Keep locked up and out of the reach of children.
	S22	Do not breathe dust.
	S24/25	Avoid 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.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).



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SUSMP

S5 (ALKALINE SALTS)

Signal word: **CAUTION**

Cautionary Statement/s: **KEEP OUT OF REACH OF CHILDREN  
DO NOT SWALLOW**

### READ SAFETY DIRECTIONS

#### First Aid:

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

(G3) - If swallowed, DO NOT induce vomiting.

(E2) - If in eyes, hold eyelids apart and flush the eye continuously with running water.

Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

(S1) - If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

#### Warning:

(4) - Strongly alkaline.

#### Safety Directions:

(1) - Avoid contact with eyes.

(4) - Avoid contact with skin.

ADG Code

None allocated

AICS

All ingredients present on AICS.

## SECTION 16 – OTHER INFORMATION

### Acronyms

SUSMP Standard for the Uniform Scheduling of Medicines and Poisons.  
 ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail.  
 CAS Number Chemical Abstracts Service Registry Number.  
 UN Number United Nations Number.  
 R-Phrases Risk Phrases.  
 HAZCHEM An emergency action code of numbers and letters which gives information to emergency services.  
 NOHSC National Occupational Health and Safety Commission.  
 NTP National Toxicology Program (USA).  
 IARC International Agency for Research on Cancer.  
 AICS Australian Inventory of Chemical Substances.  
 TWA Time Weighted Average  
 STEL Short Term Exposure Limit

### Literature References

List of Designated Hazardous Substances [NOHSC:10005(1999)]  
 Australian Code For The Transport Of Dangerous Goods By Road And Rail – Seventh Edition.  
 Standard for the Uniform Scheduling of Medicines and Poisons 2011.  
 National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]  
 Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]  
 Material Safety Data Sheets – individual raw materials – Suppliers.  
 HSIS – Hazardous Substance Information System – National Worksafe Data Base.  
 New Issue to standard :2nd Edition [NOHSC:2011(2003)].

### Revision Information

#### Note

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

#### Contact Point

Regulatory Affairs Manager. **Telephone** (07) 3204 8300

#### Issue Date

DEC 2012 **Supersedes Issue Date** 2007



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This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.