



PRESOAK POWDER (Heavy Duty)

Safety Data Sheet

Section 1 – Identification

Product Identifier	
Product name	PRESOAK POWDER
Chemical name	Not Applicable
Synonyms	Product code: UBPRESOAK
Proper shipping name	Not Applicable
Chemical formula	Not Applicable
Other means of identification	Not Applicable
CAS number	Not Applicable

Recommended use of the chemical and restrictions on use	
Relevant identified uses	Heavy duty presoak powder.

Details of the manufacturer or importer	
Registered company name	ECOCLEAN UTILITY AGENCIES PTY LTD
Address	26 Notar Drive, Ormeau Queensland, Australia, 4208
Telephone	07 5549 3666
Website	www.ecocleanavantichem.com.au
Emergency phone number	Poisons Information Centre: Phone 13 11 26

Emergency Telephone Number	
Association / Organisation	Poisons Information Centre
Emergency telephone number	13 11 26
Other emergency telephone numbers	In an emergency telephone 000, for fire, police and ambulance.



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Section 2 – Hazard(s) Identification

Classification of the substance or mixture	
Poisons Schedule	S5 (SODIUM PERCARBONATE >15%, <35%)
GHS Classification	Eye irritation category 1 Skin irritation category 2

Label elements	
GHS label pictograms	
Signal word	DANGER

Hazard statement(s)	
H318	Causes serious eye damage
H315	Causes skin irritation.

Precautionary statement(s): Prevention	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves and eye protection/face protection.

Precautionary statement(s): Response	
P302+P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: get medical advice/attention
P362	Take of contaminated clothing and wash it before reuse.
P321	Specific treatment (refer to SDS for specific details).
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact



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	lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

Precautionary statement(s): Storage

	None allocated
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Precautionary statement(s): Disposal

	None allocated
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Note

IMPORTANT	<p>This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.</p> <p>When diluted to 1:20 or greater they no longer apply.</p> <p>However, good hygiene and housekeeping practices should be adhered to.</p>
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Section 3 – Composition and Information on Ingredients

Ingredient	CAS Name	Proportion
Sodium carbonate	497-19-18	30 – 60% w/w
Sodium percarbonate	15630-89-4	10 - 30 % w/w
Sodium dodecylbenzene sulphonate	68081-81-2	< 10% w/w
Ingredients determined to be non-hazardous	Various	10 - 30% w/w
NOTE:	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", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) , 4th edition United Nations 2011. Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.	

Section 4 – First Aid Measures

Description of necessary first aid measures	
Eye Contact	If this product comes in contact with eyes: <ul style="list-style-type: none"> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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	<ul style="list-style-type: none"> Immediately call a POISON CENTER or doctor/physician.
Skin contact	If skin contact occurs: <ul style="list-style-type: none"> Remove / take off immediately all contaminated clothing Rinse skin with water/shower Wash contaminated clothing before reuse
Inhalation	<ul style="list-style-type: none"> Remove victim to fresh air and keep at rest in a position comfortable for breathing If respiratory symptoms: Immediately call POISON CENTER or doctor. Treat symptomatically.
Ingestion	<ul style="list-style-type: none"> Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Symptoms caused by exposure

	Causes skin irritation and serious eye damage.
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Medical attention and special treatment

	Treat symptomatically
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Section 5 – Fire Fighting Measures

Suitable extinguishing equipment / media

	<ul style="list-style-type: none"> Use an extinguishing media suitable for surrounding fires. Water spray or fog. Foam. Dry Chemical Powder BCF (where allowed) Carbon dioxide
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Special hazards arising from the chemical

Fire incompatibility	No known incompatibility.
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Special protective equipment and precautions for fire fighters

Fire Fighting	<ul style="list-style-type: none"> Alert Fire Brigade and tell them the location and the nature of the hazard. Wear full body protective clothing with breathing apparatus.
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	<ul style="list-style-type: none"> • Prevent spillage from entering drains or watercourse. • Keep away from hot containers. • Cool hot containers with water spray.
Fire/Explosion Hazard	<ul style="list-style-type: none"> • Non-combustible • Not considered to be a considerable fire risk. • Containers may explode on heating. • May emit acid smoke. • May emit corrosive fumes. • Decomposition may product toxic fumes of decomposition. • 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.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	
Minor spills	<ul style="list-style-type: none"> • Clean up spills immediately. • Avoid contact with skin and eyes. • Use Personal Protective Equipment. • Contain and absorb spill with vermiculite or other suitable material. • Sweep or wipe up. • Place in a suitable container for disposal.
Major spills	<ul style="list-style-type: none"> • Clear area of personnel. • Use Personal Protective Equipment. • Prevent spill from entering drains or watercourse. • If contamination occurs contact emergency services. • Contain and absorb spill with vermiculite or other suitable material. • Label collected material for disposal. • Decontaminate if necessary (see section 13). • Launder and clean all protective equipment prior to being re-used.

Environmental precautions	
	<ul style="list-style-type: none"> • Use appropriate containment to avoid environmental contamination. • Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. • DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. • Inform local authorities if this occurs.



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Methods and materials for containment and cleaning up

	Personal protective equipment advice is contained in Section 8 of the SDS
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Section 7 – Handling and Storage

Precautions for safe handling

Safe handling	<ul style="list-style-type: none"> Wear prescribed protective clothing. Do NOT eat, drink or smoke when handling. Wash hands after use. Keep containers closed tightly when not in use. Store in accordance to manufacturers instructions.
Other information	<ul style="list-style-type: none"> Store in original containers. Store in a cool, dry, well ventilated area out of direct sunlight.

Conditions for safe storage, including any incompatibilities

Suitable container	<ul style="list-style-type: none"> Not to be transported in unlined metal drums. Lined metal can, lined metal pail/can. Plastic pail. Polyliner drum. Packaging as recommended by manufacturer.
Storage incompatibility	<ul style="list-style-type: none"> No known incompatibilities.

Section 8 – Exposure controls and personal protection

Control parameters

Occupational Exposure Limits (OEL)	See Ingredients Data and Emergency Limits below.
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Ingredients data

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australian Exposure Standards	Not applicable	Not applicable	not available	not available	not available	not available



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Emergency limits				
Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
not available	not available	not available	not available	not available

IDLH data		
Ingredient	Original IDLH	Revised IDLH
Not available	Not available	Not available

Exposure controls	
Appropriate engineering controls	<ul style="list-style-type: none"> • Use in a well ventilated area. • General exhaust is adequate under normal operating conditions.
Personal protection	<div style="text-align: center;"> </div> <ul style="list-style-type: none"> • Use good occupational work practice. • The use of protective clothing and equipment depends upon the degree and nature of exposure.
Eye and face protection	<ul style="list-style-type: none"> • Chemical safety glasses or goggles are recommended for applications as per typical label directions.
Skin protection	<ul style="list-style-type: none"> • See hand protection below
Hand protection	<ul style="list-style-type: none"> • Wear chemical protective gloves, e.g. PVC for applications as per typical label directions or extended contact.
Body protection	<ul style="list-style-type: none"> • Wear safety footwear. • Work clothes.
Respiratory protection	<ul style="list-style-type: none"> • Generally not required to handle solutions of the product as per label directions. • Wear a dust mask if exposure to dust is prolonged. • For confined spaces, cleaning up spills, etc, consider Type A Filter of sufficient capacity (AS/NZS 1716 & 1715, EN143:2000, ANSI Z88 or national equivalent). • Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter the nature of the protection varies with Type of filter.



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Other protection	<ul style="list-style-type: none"> Ensure there is access to eye washes and safety showers.
Thermal hazards	Not Available

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties			
Appearance	Uniform white powder		
Physical state	powder	Relative density (water=1)	Not available
Odour	Faint	Partition coefficient n-octanol/water	Not available
Odour threshold	Not applicable	Auto-ignition temperature (°C)	Not flammable
pH (as supplied)	10.0 – 11.5 @ 1% solution	Decomposition temperature	Not available
Melting Point / Freezing Point (°C)	Not available	Viscosity (cSt)	Not available
Initial boiling point and boiling range (°C)	Not available	Molecular weight (g/mol)	Not available
Flash point (°C)	not flammable	Taste	Not available
Evaporation rate	not available	Explosive properties	none
Flammability	non flammable	Oxidising properties	Not available
Upper Explosive Limit (%)	none	Surface Tension (dyn/cm or mN/m)	Not available
Lower Explosive Limit (%)	none	Volatile Component (%vol)	5% v/v
Vapour pressure (kPa)	Not available	Gas group	Not applicable
Solubility in water (g/L)	Miscible in all proportions	pH as a solution (1%)	10.0 – 11.5
Vapour density (Air=1)	Not determined	Volatile organic compounds (VOC)	0%

Section 10 – Stability and Reactivity

Stability and Reactivity	
Reactivity	Stable at normal temperatures and pressure.



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Chemical stability	Stable at normal temperatures and pressure.
Possibility of hazardous reactions	Not expected.
Conditions to avoid	Avoid contact with heat or heat sources.
Incompatible materials	Reducing agents, oxidizing agents, acids, bases, salts of heavy metals, organic materials, and flammable substances.
Hazardous decomposition products	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours. Oxygen - decomposition releases steam and heat.

Section 11 – Toxicological Information

Information on toxicological effects	
Inhaled	Exposure to intentionally generated dusts of this product may cause slight nose and throat irritation.
Ingestion	This product may cause severe irritation of the mouth, throat, oesophagus and stomach, bloating of stomach, belching, nausea and vomiting.
Skin contact	Concentrated product may cause skin irritation. Prolonged contact with concentrated solutions may be irritating. Properly diluted wash solutions not expected to be irritating.
Eyes	This product may cause severe eye irritation, watering, redness; can cause burns to the eyes.
Chronic	Prolonged and repeated skin contact with diluted solutions may induce dermatitis.

Individual constituents			
Sodium percarbonate			
Acute Toxicity	Oral: LD50, rat (combined sexes), 1034 mg/kg. Inhalation: LC50, 1 hour, rat, >4580 mg/m ³ .	Carcinogenicity	Not listed as a carcinogen NTP, IARC, OSHA, EPA.
Skin Irritation/Corrosion	Dermal: LD50, rabbit, >2000 mg/kg. Irritation: • Rabbit, Severe damage (eyes). • Rabbit, Slight irritant (skin).	Reproductivity	No data available
Serious Eye Damage/Irritation	• Rabbit, Severe damage (eyes).	STOT – Single Exposure	No data available
Respiratory or Skin sensitivity	No sensitization was noted when administered	STOT – Repeated Exposure	No data available



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	as a 75% w/v mixture during induction & as a 25% w/v mixture at challenge.		
Mutagenicity	No data available	Aspiration Hazard	No data available

Sodium carbonate			
Acute Toxicity	Lethal dose (rat, oral): 4000 mg/kg LC50 (rat, inhalation): 2100-2500 mg/m ³ ; duration of exposure, 2 hr.	Carcinogenicity	Not listed as a carcinogen NTP, IARC, OSHA, EPA.
Skin Irritation/Corrosion	SKIN IRRITATION (rabbit): Moderate skin irritant (500 mg; 24 hr-exposure). EYE IRRITATION (rabbit): Severe eye irritant	Reproductivity	No data available
Serious Eye Damage/Irritation	EYE IRRITATION (rabbit): Severe eye irritant	STOT – Single Exposure	No data available
Respiratory or Skin sensitivity	No data available	STOT – Repeated Exposure	No data available
Mutagenicity	No data available	Aspiration Hazard	No data available

Sodium dodecylbenzenesulfonate			
Acute Toxicity	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.	Carcinogenicity	Not listed as a carcinogen NTP, IARC, OSHA, EPA.
Skin Irritation/Corrosion	20 mg/24 hour(s) skin-rabbit moderate; 250 ug/24 hour(s) eyes-rabbit severe; 1 percent eyes-rabbit severe.	Reproductivity	No data available
Serious Eye Damage/Irritation	EYE IRRITATION (rabbit): Severe eye irritant	STOT – Single Exposure	No data available
Respiratory or Skin sensitivity	No data available	STOT – Repeated Exposure	No data available
Mutagenicity	No data available	Aspiration Hazard	No data available



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Section 12 – Ecological Information

Toxicity	
Spectra	Harmful to aquatic organisms. Acute Aquatic Toxicity Category 3.

Ingredients:

Sodium dodecylbenzenesulfonate	LC50 - Oncorhynchus mykiss (rainbow trout) - 3.2 - 5.6 mg/l - 96 h
Sodium percarbonate	Fish: 96hr-LC50 = 70.7mg/L (Pimephales promelas)
Sodium carbonate	LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h

Persistence and degradability		
Ingredient	Persistence: Water/Soil	Persistence: Air
Sodium dodecylbenzenesulfonate	Readily biodegradable - according to Australian Standard AS4351.	Not Available
Sodium percarbonate	Based on a log Kow -1.57 sodium percarbonate is not expected to have persistence.	Not Available
Sodium carbonate	Not Available	Not Available

Bioaccumulative potential	
Ingredient	Bioaccumulation
Sodium dodecylbenzenesulfonate	No bioaccumulation is expected.

Mobility in soil	
Ingredient	Mobility
Sodium dodecylbenzenesulfonate	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.

Section 13 – Disposal considerations

Waste treatment methods



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Product and Packaging Disposal	Recycle wherever possible or consult manufacturer for recycling options. Consult state land waste authority for disposal. Bury or incinerate residue at the approved site. Recycle containers if possible, or dispose of in an authorised landfill.
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Section 14 – Transport Information

Labels Required	
Transport pictogram	None Allocated
Marine Pollutant	None Allocated
HAZCHEM	None Allocated

Land Transport (ADG)	
UN Number	None Allocated
Packing Group	None Allocated
UN Proper shipping name or Technical name	None Allocated
Environmental hazard	No relevant data
Transport hazard class(es)	None Allocated
Special Precautions for user	None Allocated None Allocated
Additional information	Not Available

Section 15 – Regulatory Information

Health, safety and environment regulations	
Poisons Schedule	S5 (SODIUM PERCARBONATE >15%, <35%)



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Section 16 – Other Information

Other Information	
Issue Date	7 th October 2015
Version Number	2.0
Abbreviations and acronyms	<ul style="list-style-type: none"> • ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. • AICS: Australian Inventory of Chemical Substances. • CAS Number: Chemical Abstracts Service Registry Number. • GHS: Globally Harmonized System of Classification and Labelling of Chemicals • HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services. • HSIS: Hazardous Substances Information System • IARC: International Agency for Research on Cancer. • NOHSC: National Occupational Health and Safety Commission. • NTP: National Toxicology Program (USA). • SDS: Safety Data Sheet • STEL: Short Term Exposure Limit. • SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons. • TWA: Time Weighted Average. • UN Number: United Nations Number.
Literature references	<ul style="list-style-type: none"> • Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (December 2011 – Safe Work Australia) • GHS Hazardous Chemical Information List (September 2014 – Safe Work Australia) • Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. April 2012. Safe Work Australia. • Global Harmonized System of Classification and Labelling of Chemicals (GHS). Fifth revised edition. • “Australian Exposure Standards” • List of Designated Hazardous Substances [NOHSC:10005(1999)] • Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th Edition. • Standard for the Uniform Scheduling of Medicines and Poisons 2015. • Material Safety Data Sheets – individual raw materials – Suppliers. • Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]



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	<ul style="list-style-type: none"> • HSIS – Hazardous Substance Information System – National Worksafe Data Base. • LABELLING OF WORKPLACE HAZARDOUS CHEMICALS, Code of Practice, DEC 2011 • IMPLEMENTATION OF THE GLOBALLY HARMONISED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) APRIL 2012
Risk assessments	This SDS is a tool to communicate hazards which can assist you in creating relevant risk assessments for your workplace. There are many variables in determining whether a particular hazard is a risk in your workplace. Keep in mind this may be influenced by such things as the amount used, frequency of use, engineering controls, effectiveness of safety training and many more considerations.
Disclaimer	Safety Data Sheets are updated frequently. Please ensure that you have a current copy. 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. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact XO2 Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.
Copyright	This document is copyright.
End of SDS	

Document Revision History		
Revision Version #	Date	Reason for revision
Draft		GHS format
2.0	7/10/2015	Review by Tuwai Specialties. tuwai.wt@bigpond.com