

SAFETY DATA SHEET



Section 1. Product and Supplier Information

Product Name: **Pristal Washing Machine Cleaner**

Name of Manufacturer or Supplier: Kym Pristal Pte Ltd

Address of Manufacturer or Supplier: No. 4 Leng Kee Road, #04-01 Singapore 159088

Telephone: +65 96153127

Emergency Contact

Organization	Location	Telephone
National Poisons Centre	New Zealand	0800 764 766

Section 2. Hazards Identification

Environmental Protection Authority(New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

HSNO Hazards Classifications

5.1.1B	Oxidising substances that are liquids or solids: medium hazard
6.1D	Substances that are acutely toxic - Harmful
6.4A	Substances that are irritating to the eye
9.1D	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action
9.3C	Substances that are harmful to terrestrial vertebrates

GHS Symbol:



GHS Signal word:

Danger

GHS Precautionary Statement(s):

Prevention:

P102	Keep out of reach of children
P103	Read label before use
P210	Keep away from heat, sparks, open flames, hot surfaces, No smoking.
P220	Keep and store away from clothing, incompatible materials, combustible materials.
P221	Wash hands thoroughly after handling.
P260	Do not breathe dust/fume/gas/mist/vapours/spray

P264 Wash thoroughly after handling
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/ eye protection/ face protection

Response Code

P101 If medical advice is needed, have product container or label at hand
P301 + P330 + P331 If swallowed, rinse mouth. Do not induce vomiting
P303 + P361 +P353 If on skin, 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 possible
P310 Immediately call a POSION CENTER or doctor/physician
P332 + P313 If skin irritation occurs, get medical advice/attention
P363 Wash contaminated clothin before reuse

Section 3. Composition/Information on Ingredients

Component	CAS Number	Proportion
Sodium Percarbonate	15630-89-4	> 89%
Sodium Carbonate	497-19-8	< 11%

Section 4. First Aid Measures

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow the patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If the patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if the patient is not breathing. Seek immediate medical advice.

Skin Contact:

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact:

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre.

Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Section 5. Fire Fighting Measures

Flammability Conditions:

Product is an Oxidizing Solid. Oxygen released on exothermic decomposition may support combustion.

Suitable Extinguishing Methods:

Not combustible, however, if material is involved in a fire use: Coarse water spray, fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder)

Fire and Explosion Hazard:

Oxidising material. Contact with combustible materials may cause fire. It may decompose explosively when heated or involved in a fire. May explode from heat or contamination. Containers may explode when heated. Run off may create fire or explosion hazard. Can be released in case of fire: Carbon monoxide and carbon dioxide, Sodium oxide.

Hazardous Products of Combustion:

Fire may produce irritating, corrosive and/or toxic gases. Decomposition releases steam/heat.

Special Fire Fighting Instructions:

Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment. Dam fire control water for later disposal.

Personal Protective Equipment:

Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.

Section 6. Accident Release Measures**Precautions:**

Observe the protection measures given in sections 5 and 8. Avoid materials and products which are incompatible with the product (see section 10). Avoid direct contact. Avoid dust generation and breathing in the dust.

Cleanup Methods:

Collect the product with suitable means, shovel or sweep, avoiding dust formation. All receiving equipment should be clean, dry, vented, labelled and made of material that is compatible with the product. Do not return spilt or contaminated material to inventory. Clean the area with large quantities of water. For disposal methods, refer to section 13.

Section 7. Handling and Storage**Handling:**

Avoid skin and eye contact and inhalation of dust.

Storage:

In a dry area. Protect from direct sunlight. Keep away from heat sources. Keep away from reactive products (see section 10). Store in vented containers. Store at temperatures less than 40°C (104°F).

Section 8. Exposure Controls/Personal Protection**Personal Protection Equipment:**

RESPIRATOR: Use only respiratory protection that conforms to international/national standards - Use breathing masks with dust filter P2 (AS1715/1716). EYES: Use tightly fitting, chemical resistant safety goggles (AS1336/1337). HANDS: Use suitable gloves of PVC, neoprene or natural rubber having a penetration time of 4-8 hours - Do not leather or cotton gloves when handling a wet product (AS2161). CLOTHING: For brief contact, few precautions other than clean body-covering clothing should be needed. When prolonged or frequently repeated contact could occur, use protective, full body clothing, such as PVC or rubber, impervious to this material and safety footwear (AS3765/2210).

Work Hygienic Practices:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Section 9. Physical and Chemical Properties

Physical state:	Granular Solid
Colour:	White
Odour:	Odourless
Solubility:	Soluble in water.
Specific Gravity:	Not available
Relative Vapour Density (air=1):	Not available
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not available
Autoignition Temperature (°C):	Not available
Melting Point/Range (°C):	Not available
Decomposition Point (°C):	Not available
pH:	Approx.. 10.5

Section 10. Stability and Reactivity

Stability :

Stable under recommended storage conditions.

Conditions To Avoid:

Avoid moisture. Avoid temperatures above 60 °C, direct sunlight and contact with sources of heat.

Incompatibility With Other Materials:

Water, Acids, Bases, Salts of heavy metals, Reducing agents, Organic materials, Flammable substances. The substance can react dangerously with reducing agents, flammable substance

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Section 11. Toxicological Information

Acute Toxicity:

Oral route - LD50 , rat (combined sexes), 1034 mg/kg. Dermal route - LDLo, rabbit, > 2000 mg/kg. Inhalation, LC0 , 1 hour, rat, > 4580 mg/m³.

Toxicity Data:

Oral LD50 = 1900-3000 mg/kg(Rat) Dermal LD50 = not available inhalation LC50 = 4.58 mg/L(rat)not listed as carcinogen by OSHA, NTP or IARC

Irritation:

Eyes, severe damage. Skin, slightly irritating.

Sensitization:

No sensitization was noted when administered as a 75% w/v mixture during induction and as a 25% w/v mixture at challenge.

Mutagenicity:

No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Carcinogenicity

No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Chronic toxicity or Long-term toxicity:

Not available

Section 12. Ecological Information

Ecotoxicity

Fish: 96hr-LC50 = 70.7mg/L (Pimephales promelas) Fish:96hr-NOEC = 1mg/L (Pimephales promelas)
Invertebrates: 48hr-EC = 4.9mg/L (Daphnia magna) Invertebrates: 48d-NOEC = 2.0mg/L (Daphnia magna)
Algae: 72hr-EC50 = 7.7mg/L (Crupina vulgaris) Algae: 72hr-NOEC = 0.3mg/L (Crupina vulgaris)

Persistence/Degradability

Sodium percarbonate dissociates in water into hydrogen peroxide and sodium carbonate. Hydrogen peroxide is rapidly degraded in a biological waste water treatment plant. (OECD SIDS).

Mobility

Volatilisation of hydrogen peroxide from surface waters and moist soil is expected to be very low, while it is expected to be highly mobile in soil. (OECD SIDS)

Environmental Fate

Do NOT let product reach waterways, drains and sewers.

Bioaccumulation Potential

Both sodium carbonate and hydrogen peroxide (log Kow < -1) are inorganic chemicals which do not bioaccumulate. (OECD SIDS).

Section 13. Disposal Considerations

Disposal Methods:

Refer to Waste Management Authority. Dispose of contents and container in accordance with local, regional, national, international regulations.

Section 14. Transportation Information

Road and Rail Transport

UN Shipping Name: SODIUM CARBONATE PEROXYHYDRATE
UN Number: UN3378
Hazard Class: 5.1 Oxidizing Agent
Hazchem: 1Y
Packing Group: II

Marine Transport: IMDG

UN Shipping Name: SODIUM CARBONATE PEROXYHYDRATE
UN Number: UN 3378
Hazard Class: 5.1 Oxidizing Agent
Hazchem: 1Y
Packing Group: II
EMS: S F-A , S-Q
Marine Pollutant: No

Air Transport: IATA

UN Shipping Name: SODIUM CARBONATE PEROXYHYDRATE
UN Number: UN 3378

Hazard Class	5.1 Oxidizing Agent
Hazchem:	1Y
Packing group	II
Environmental hazards	No

Section 15. Regulatory Information

Environmental Protection Authority(New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code HSR001351

Poisons Schedule (SUSMP): S6 Poison

National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Listed
Canada (NDSL)	Not Determined
China (IECSC)	Listed
Europe (EINECS)	Listed
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Listed
Korea (KECI)	Listed
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Listed
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (TCSI)	Listed
USA (TSCA)	Listed

Section 16. Other Information

Date of Issue: 14/08/2019

Disclaimer:

This Safety Data Sheet(SDS) is based on information concerning the product which is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product can be obtained from Kym Pristal Pte Ltd. While all due care has been taken to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Kym Pristal Pte Ltd aspects no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS. The information herein is given in good faith, but no warranty, express or implied is made.