

MATERIAL SAFETY DATA SHEET

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Material Name: *PristineExtra®*
Chemical Name: *Sodium dichloroisocyanurate, dihydrate*
CAS Number: 51580-86-0

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Section 1 – PRODUCT IDENTIFICATION

Product Name: PristineExtra®

Section 2 – HAZARDOUS INGREDIENTS

Components	CAS#	OSHA PEL	ACGIH TLV	%
SODIUM DICHLOROISOCYANURATE, DIHYDRATE	51580-86-0			99
SODIUMCHLORIDE	7647-14-5			1

Section 3 – HEALTH HAZARDS IDENTIFICATION

Primary Routes of Entry: *Inhalation, Absorption, and Ingestion.*

Eyes: *Severe Irritant.* Exposure may cause severe burns, destruction of eye tissue and possible permanent injury or blindness.

Skin: *Direct or Prolonged exposure* may cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause permanent damage.

Ingestion: *Caution.* Ingestion of products may cause irritation and/or burns to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration. Ingestion may cause severe damage to the gastrointestinal tract with the potential to cause perforation.

Inhalation: *Irritating.* Inhalation of this material may irritate and/or cause burns to the nose, mouth, throat and lungs. It may produce lung edema that can result in shortness of breath, wheezing, choking, chest pain and impairment of lung function. High concentration may result in permanent lung damage from the corrosive action of the lung.

Section 4 – FIRST AID MEASURES

Eyes: Flush immediately with large amounts of water for at least 20 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin: Immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Wash skin with mild soap and water for at least 15 minutes and wash clothing before reuse.

Ingestion: If victim is conscious and alert, give 1-3 glasses of water to dilute stomach contents. Rinse mouth out with water. Do not induce vomiting unless directed by medical personnel. Get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Keep affected person warm and at rest. Get immediate medical attention.

Section 5 – FIRE AND EXPLOSION HAZARDS

Flash Point: N/E

UFL: N/E

LFL: N/E

General Fire Hazards: Do not use dry chemical fire extinguisher containing ammonia compounds.

Hazardous Combustion Products: Products of combustion may be toxic and may also produce poisonous and corrosive fumes of nitrogen trichloride, chlorine and carbon monoxide.

Fire Fighting Equipment/Instructions: Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

NFPA Ratings: Fire: 0
HMIS III Ratings: Fire: 0

Health: 3
Health: 2

Reactivity: 1
Reactivity: 1

Other:
Personal Protection: H

Section 6 – ACCIDENTAL RELEASE MEASURES

Containment Procedures: DO NOT flush with water. Caution should be exercised regarding personal safety and exposure to released product.

Clean-Up Procedures: Wear full faced respirator with chlorine cartridges or a SCBA. Separate dry and wet materials into sealed containers.

Evacuation Procedures: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind.

Special Instructions: Notify local authorities and the National Response Center, if required.

Section 7 – HANDLING AND STORAGE

Procedures for Handling: Store material in a cool and dry place that is well ventilated.

Recommended Storage Methods: Avoid storage in excessive heat. Do not store at temperatures above 140F / 60C.

Section 8 – PERSONAL PROTECTION

Respiratory Protection: Ventilation and other forms of engineering controls are the preferred means for controlling exposures. A NIOSH/ MSHA approved air-purifying respirator with an appropriate acid gas cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protective Gloves: Use appropriate chemical gloves that are in usable order.

Other Protective Clothing or Equipment: Eye and face protection is necessary; long sleeved shirts, long pants, socks and shoes.

Work/Hygienic Practices: Use good personal hygiene. Body shower for prolonged skin contact.

Section 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Dry white granular

Physical State: Solid

pH: 6-6.5 at a concentration of 1% solution in water

Vapor Pressure: N/A

Boiling Point: N/A

Melting Point: N/A

Odor: Mild / Chlorine Like

Vapor Density (Air=1): N/A

Evaporation Rate: N/A

Solubility in Water: 25g/100ml-30C

Specific Gravity (H₂O=1): 0.96

Decomposition: Complete @ 250C

Section 10 – REACTIVITY INFORMATION

Chemical Stability: Stable.

Conditions to Avoid: Do not package in paper or cardboard. Avoid mixing with other chemicals.

Incompatibility: Incompatible with organic materials, reducing agents, acids, bases, petroleum based products and sawdust.

Hazardous Decomposition Products: Nitrogen trichloride, chlorine, carbon monoxide

Hazardous Polymerization: Will not occur.

Section 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity / Chronic Toxicity: Continued overexposure to this solution may cause impaired lung function and permanent lung damage.

Carcinogenicity: N/A

Signs and Symptoms of Exposure: Overexposure may cause the following specific symptoms, depending on the concentration and duration of exposure: may aggravate asthma, respiratory and cardiovascular disease.

Section 12 – DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose of in accordance with all federal, state and local regulations.

Section 13 – TRANSPORTATION INFORMATION

DOT Information

Proper Shipping Name: Not regulated by US DOT / HazMat

Hazard Class: N/A

UN/NA #: N/A

Packing Group: N/A

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