

Pristine[®]

SAFETY DATA SHEET

SECTION 01 – IDENTIFICATION

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|-------------------------------------|---|
| Product Identifier | Pristine[®] Part A |
| Other Means of Identification | None |
| Product Use and Restrictions on Use | Chlorine dioxide generation |
| Initial Supplier Identifier | Pristine [®] JAB Distribution Inc. 113, 3950-191 St. Surrey, BC V3Z 0Y6 |
| Prepared By | JAB Distribution Inc. 113, 3950-191 St. Surrey, BC V3Z 0Y6 1-888-626-0722 |

24-Hour Emergency [1-888-226-8832 \(1-888-CANUTEC\)](tel:1-888-226-8832)

SECTION 02 – HAZARD IDENTIFICATION

GHS-Classification

| | |
|-------------------------------------|------------|
| Acute Toxicity – Oral | Category 4 |
| Serious Eye Damage / Eye Irritation | Category 2 |
| STOT – Repeated Exposure | Category 2 |

Pictograms



Physical Hazards

No known physical hazards.

Hazard Statement

H302 – Harmful if swallowed

H319 – Causes serious eye irritation

H373 – May cause damage to the spleen through prolonged or repeated exposure

Precautionary Statements

P280 – Wear eye and face protection.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice or attention.

P250 – Do not breathe mist, vapours, or spray.

P314 – Get medical advice or attention if you feel unwell.

P270 – Do not eat, drink, or smoke when using this product.

P301 + P312 – IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.

P330 – Rinse mouth.

P501 – Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations, including the Canadian Environmental Protection Act.

SECTION 03 – COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Weight % | Unique Identifier |
|----------------------|-------------------|-----------------|--------------------------|
| Sodium Chlorite | 7758-19-2 | 1-15% | Not Available |
| Water | 7732-18-5 | ≥85% | |

SECTION 04 – FIRST AID MEASURES

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| Inhalation | If symptoms are experienced, remove victim to fresh air. If difficulties breathing persist, seek medical attention. |
| Skin Contact / Absorption | Remove contaminated clothing under running water. Rinse skin with lukewarm water and non-abrasive soap. If irritation occurs or persists, seek medical attention. Completely decontaminate clothing, shoes, and leather goods before re-use or discard. |
| Eye Contact | Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, |

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| | while forcibly holding the eyelid(s) open to ensure complete irrigation of the eye tissue. IF a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Neutral saline solution may be used as soon as it is available. Seek immediate medical attention. |
| Ingestion | NEVER give anything by mouth if victim is rapidly losing consciousness, is unconscious, or convulsing. Have victim rinse mouth and drink 240 to 300 ml of water to dilute stomach. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim repeat water administration. Milk may be given after water. Seek immediate medical attention. |
| Additional Information | Not available. |

SECTION 05 – FIRE FIGHTING MEASURES

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| Suitable Extinguishing Media | Use extinguishing agent suitable for surrounding fire and not contraindicated for use with sodium chloride. |
| Unsuitable Extinguishing Media | Not available. |
| Specific Hazards Arising from the Chemical | Toxic gases and fumes may form in a fire. |
| Special Protective Equipment for Firefighters | Wear NIOSH-approved self-contained breathing apparatus and protective gear. |
| Further Information | Not available. |

SECTION 06 – ACCIDENTAL RELEASE MEASURES

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| Personal Precautions / Protective Equipment / Emergency Procedures | Wear appropriate personal protective equipment. Ventilate area. Vapours evolved from the spill or leak can be knocked down with water fog or spray. Only enter area with PPE. Stop or reduce leak if safe to do so. Prevent material from entering sewers and waterways. Flush with water to remove any residue. |
| Environmental Precautions | Prevent product from entering sewers or confined spaces. |
| Methods and Materials for Containment and Cleaning Up | Clean-up spill with non-reactive absorbent material and place in suitable, labelled containers for proper disposal. |

SECTION 07 – HANDLING & STORAGE

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| Precautions for Safe Handling | Use proper equipment for lifting and transporting all containers. Use sensible handling hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. |
| Conditions for Safe Storage | Store in cool, dry, well-ventilated area, out of direct sunlight. Do not allow the temperature of any part of the sodium chlorite container to exceed 49°C. Store away from incompatible materials. |
| Incompatible Materials | Acids. |

SECTION 08 – EXPOSURE CONTROLS & PERSONAL PROTECTION

The following are recommendations only. It is the responsibility of the employer / user to conduct a hazardous assessment of the process in which this product being used and determine the proper engineering controls and the PPE for their process. Additional regulatory and safety information should be sought from local authorities and, if needed, a professional industrial hygienist.

Exposure Limit(s)

| Chemical Name | Regulation | Type of Listing | Value |
|-----------------|-----------------|-----------------|-------|
| Sodium Chlorite | Not Established | | |

Engineering Control(s)

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|--------------------------|---|
| Ventilation Requirements | Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems. |
| Other | Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity. |

Protective Equipment

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| Eyes / Face | Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury. |
| Hand Protection | Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse. |
| Skin and Body Protection | Body suits, aprons, and/or coveralls of chemical resistance material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse. |
| Respiratory Protection | An approved respirator suitable for protection from dusts and mists may be adequate. |
| Thermal Hazards | Not available. |

SECTION 09 – PHYSICAL & CHEMICAL PROPERTIES

Appearance

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|-----------------|---------------|
| Physical State | Liquid |
| Colour | Colourless |
| Odour | Chlorine-like |
| Odour Threshold | Not Available |

Property

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|---|----------------|
| pH | 8-9 |
| Melting Point / Freezing Point | Not Available |
| Initial Boiling Point and Boiling Range | Not Available |
| Flash Point | Not Applicable |
| Evaporation Rate | Not Available |
| Flammability | Non-Flammable |
| Upper Flammable Limit | Not Applicable |

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| Lower Flammable Limit | Not Applicable |
| Vapour Pressure (mm Hg, 20°C) | Not Available |
| Vapour Density (Air=1) | Not Available |
| Relative Density | Not Available |
| Solubility(ies) | Soluble in water |
| Partition Coefficient noctanol/water | Not Available |
| Auto-Ignition Temperature | Not Applicable |
| Decomposition Temperature | Not Available |
| Viscosity | Not Available |
| Explosive Properties | Not Available |
| Specific Gravity (Water = 1) | 1.027 |
| % Volatiles by Volume | Not Available |
| Formula | Mixture |
| Molecular Weight | Not Available |

SECTION 10 – STABILITY & REACTIVITY

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| Reactivity | Not available. |
| Chemical Stability | Stable. |
| Possibility of Hazardous Reactions | Hazardous polymerization does not occur. |
| Conditions to Avoid | Reactions with acids. |
| Incompatible Materials | Acids. |
| Hazardous Decomposition Products | Chlorine dioxide. |

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity Estimate

| Component | Oral LD₅₀ | Dermal LD₅₀ | Inhalation LC₅₀ |
|-----------------------|-----------------------------|-------------------------------|-----------------------------------|
| Sodium Chlorite (15%) | 1.1 g/kg (rat) | Not Available | 1.5 g/m ³ (rat, 4hr) |

Chronic Toxicity – Carcinogenicity

| Component | IARC |
|-----------------------------------|--|
| Sodium Chlorite | Group 3: Not carcinogenic to humans. |
| Skin Corrosion / Irritation | May cause irritation with prolonged contact. |
| Ingestion | Harmful if swallowed. May cause gastrointestinal discomfort, nausea, vomiting, and diarrhea. Sodium chlorite can also cause temporary damage to the red blood cells. |
| Inhalation | Formation of mists may cause irritation to the nose and throat. |
| Serious Eye Damage / Irritation | Can cause serious eye irritation. |
| Respiratory or Skin Sensitization | Not available. |
| Germ Cell Mutagenicity | Not available. |
| Reproductive Toxicity | Not available. |
| STOT-Single Exposure | Not available. |
| STOT-Repeated Exposure | Can cause damage to the spleen through prolonged or repeated exposure. |
| Aspiration Hazard | Not available. |
| Synergistic Materials | Not available. |

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

| Component | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia and Other Aquatic Invertebrates |
|------------------|--|--|--|
| Sodium Chlorite | EC ₅₀ (green algae, 4d): 1.32 mg/L | LC ₅₀ (ocorhynchus mykiss, 96hr): 203 mg/L | EC ₅₀ (magna, 48hr): 0.014 mg/L |

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| Biodegradability | Sodium chlorite biodegrades to the non-toxic chloride ion. |
| Bioaccumulation | Sodium chlorite is not expected to bioaccumulate. |
| Mobility | Not available. |
| Other Adverse Effects | Not available. |

SECTION 13 – DISPOSAL CONSIDERATIONS

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| Waste from Residues / Unused Products | Dispose in accordance with all federal, provincial, and/or local regulations, including the Canadian Environmental Protection Act. |
| Contaminated Packaging | Dispose in accordance with all federal, provincial, and/or local regulations, including the Canadian Environmental Protection Act. |

SECTION 14 – TRANSPORT INFORMATION

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| UN Number | Not regulated. |
| UN Proper Shipping Name | Not regulated. |
| Transport Hazard Class(es) | Not regulated. |
| Packaging Group | Not regulated. |
| Environmental Hazards | Not listed as a marine pollutant under Canadian TDG Regulations, schedule III. |

Special Precautions Not available.

Transport in Bulk Not available.

TDG

Other Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS/SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS/SDS.

SECTION 15 – REGULATORY INFORMATION

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

SECTION 16 – OTHER INFORMATION

Date of Last Revision September 16th, 2020

NOTE: The responsibility to provide a safe workplace remains with the buyer / user. The buyer / user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the buyer / user to comply with all applicable laws and regulations regarding handling, using, reselling, and shipping of this product.

ATTENTION: Receiver of the chemical goods/SDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution® initiative, JAB Distribution Inc. requires, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-

users. JAB Distribution Inc will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns, please call our customer service centre.

References:

1. CHEMINFO
2. eChemPortal
3. TOXNET
4. Transportation of Dangerous Goods Canada
5. CHRIS
6. HSDB
7. ECHA



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