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## Section 01 - Identification

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<b>Product Identifier</b>	Pristine Neutralizing Agent
<b>Other Means of Identification</b>	None
<b>Product Use and Restrictions on Use</b>	Used for disinfection of drinking water for human consumption.
<b>Initial Supplier Identifier</b>	Advance Chemicals Ltd. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
<b>Prepared By</b>	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
<b>24-Hour Emergency Phone</b>	Phone: 1 (306) 664 – 2522

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## Section 02 - Hazard Identification

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### GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

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## Section 03 - Composition / Information on Ingredients

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<b>Chemical Name</b>	<b>CAS Number</b>	<b>Weight %</b>	<b>Unique Identifiers</b>
Water and/or ingredients not classified as hazardous under the Hazardous Products Regulations		100%	

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## Section 04 - First Aid Measures

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<b>Inhalation</b>	If symptoms are experienced, remove victim to fresh air. If difficulties breathing persist, seek medical attention.
<b>Skin Contact / Absorption</b>	Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water and non-abrasive soap. If irritation occurs or persists, seek medical attention.
<b>Eye Contact</b>	Do not allow victim to rub eye(s). Let the eyes water naturally and have victim rotate eye in attempt to dislodge the particle. If particle/dust does not dislodge, rinse eye(s) with lukewarm, gently flowing water for 30 minutes. If irritation persists, seek medical attention. Do NOT attempt to manually remove anything stuck to the eye.
<b>Ingestion</b>	Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth with water. If irritation or discomfort occurs, seek medical attention.
<b>Additional Information</b>	Not Available

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## Section 05 - Fire Fighting Measures

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<b>Suitable Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire.
<b>Unsuitable Extinguishing Media</b>	Not Available
<b>Specific Hazards Arising From the Chemical</b>	Sodium oxide, carbon monoxide and carbon dioxide are formed in a fire. Decomposition products include carbon dioxide, sodium carbonate, water, hydrogen sulfide, hydrogen sulfite and sulfuric acid.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	Wear NIOSH-approved self-contained breathing apparatus and protective gear.
<b>Further Information</b>	Not Available

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## Section 06 - Accidental Release Measures

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<b>Personal Precautions / Protective Equipment / Emergency Procedures</b>	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.
<b>Environmental Precautions</b>	Prevent product from entering sewers or waterways.
<b>Methods and Materials for Containment and Cleaning Up</b>	Avoid generation of dust. Pre-dampen or vacuum the the spilled material and place into suitable, labelled containers for proper disposal. Flush area with water.

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## Section 07 - Handling and Storage

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<b>Precautions for Safe Handling</b>	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.
<b>Conditions for Safe Storage</b>	Store in suitable, labelled containers. Protect contents from accidental contact with water. Protect from damage. Store away from incompatible materials.
<b>Incompatibilities</b>	Acids, monoammonium phosphate, sodium potassium alloy, 2-furaldehyde.

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## Section 08 - Exposure Controls and Personal Protection

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### Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Pristine Neutralizing Agent	Not Established		

### Engineering Control(s)

<b>Ventilation Requirements</b>	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.
<b>Other</b>	Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

### Protective Equipment

<b>Eyes/Face</b>	No specific requirement, but it is good practice to wear chemical safety goggles while handling product.
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<b>Hand Protection</b>	No specific requirement, but it is good practice to prevent skin contact by wearing impervious gloves of chemical resistance while handling product.
<b>Skin and Body Protection</b>	RECOMMENDED (resistance to breakthrough longer than 8 hours): Butyl rubber, natural rubber, neoprene rubber, nitrile rubber, polyvinyl chloride, Viton(TM).
<b>Respiratory Protection</b>	An approved respirator suitable for non-toxic dusts may be adequate.
<b>Thermal Hazards</b>	Not Available

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## **Section 09 - Physical and Chemical Properties**

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### **Appearance**

<b>Physical State</b>	Solid, tablets
<b>Colour</b>	White to off-white
<b>Odour</b>	Chlorine
<b>Odour Threshold</b>	Not Available

### **Property**

<b>pH</b>	6-7
<b>Melting Point/Freezing Point</b>	Not Available
<b>Initial Boiling Point and Boiling Range</b>	Not Available
<b>Flash Point</b>	Not Applicable
<b>Evaporation Rate</b>	Not Available
<b>Flammability</b>	Non-flammable
<b>Upper Flammable Limit</b>	Not Applicable
<b>Lower Flammable Limit</b>	Not Applicable
<b>Vapour Pressure (mm Hg, 20°C)</b>	Not Available
<b>Vapour Density (Air=1)</b>	Not Available
<b>Relative Density</b>	Not Available
<b>Solubility(ies)</b>	Soluble in water
<b>Partition Coefficient: n-octanol/water</b>	Not Available
<b>Auto-ignition Temperature</b>	Not Available
<b>Decomposition Temperature</b>	Not Available
<b>Viscosity</b>	Not Available
<b>Explosive Properties</b>	Not Available

<b>Specific Gravity (Water=1)</b>	1
<b>% Volatiles by Volume</b>	Not Available
<b>Formula</b>	Mixture
<b>Molecular Weight</b>	Not Available

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## Section 10 - Stability and Reactivity

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<b>Reactivity</b>	Not Available
<b>Stability</b>	Normally stable. Decomposes on exposure to air or light.
<b>Possibility of Hazardous Reactions</b>	Sodium thiosulphate may decompose above 223°C. Reacts slowly with water at room temperature.
<b>Conditions to Avoid</b>	Heat.
<b>Incompatible Materials</b>	Acids, monoammonium phosphate, sodium-potassium alloy, 2-furaldehyde.
<b>Hazardous Decomposition Products</b>	Sodium oxide, carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide, sulfur trioxide, sodium sulfate, sodium sulfide, sodium pentasulfide, sodium carbonate, and water.

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## Section 11 - Toxicological Information

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### Acute Toxicity Estimate

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
Pristine Neutralizing Agent	4355 mg/kg	Not Available	4.74 mg/L

This product has been classified in accordance with the Hazardous Products Regulations using ATE formula documented in the GHS standard.

### Chronic Toxicity – Carcinogenicity

<b>Component</b>	<b>IARC</b>
Pristine Neutralizing Agent	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

<b>Skin Corrosion/Irritation</b>	Non-irritant to very mild irritant.
<b>Ingestion</b>	Non-toxic.
<b>Inhalation</b>	High concentrations of dust may cause coughing and mild, temporary irritation.
<b>Serious Eye Damage/Irritation</b>	Dust may cause irritation as a “foreign substance”. Some tearing, blinking and mild, temporary pain may occur.
<b>Respiratory or Skin Sensitization</b>	Not Available
<b>Germ Cell Mutagenicity</b>	Not Available
<b>Reproductive Toxicity</b>	Not Available
<b>STOT-Single Exposure</b>	Inhalation of high concentrations of dust may cause respiratory irritation.
<b>STOT-Repeated Exposure</b>	Not Available
<b>Aspiration Hazard</b>	Not Available
<b>Synergistic Materials</b>	Not Available

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## Section 12 – Ecological Information

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### Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Pristine Neutralizing Agent	Not Available	Not Available	Not Available
<b>Biodegradability</b>	Not Available		
<b>Bioaccumulation</b>	Not Available		
<b>Mobility</b>	Not Available		
<b>Other Adverse Effects</b>	Not Available		

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## Section 13 – Disposal Considerations

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

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## Section 14 – Transport Information

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<b>UN Number</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>Transport Hazard Class(es)</b>	Not Regulated
<b>Packaging Group</b>	Not Regulated
<b>Environmental Hazards</b>	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
<b>Special Precautions</b>	Not Available
<b>Transport in Bulk</b>	Not Available

### TDG

<b>Other</b>	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.
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**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.

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## Section 15 – Regulatory Information

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**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.**

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## Section 16 – Other Information

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**Preparation Date** December 15, 2015

**Note:** The responsibility to provide a safe workplace remains with the user. The 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 user to comply with all applicable laws and regulations.

**Attention: Receiver of the chemical goods / SDS coordinator**

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech 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 center.

**References:**

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA
- 7) PAN

**Advance Chemicals Ltd. - Locations**

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