



# Safety Data Sheet

## Section 01 - Identification

<b>Product Identifier</b>	Sodium Phosphate, Dibasic Disodium Phosphate Anhydrous
<b>Other Means of Identification</b>	Disodium phosphate anhydrous, dibasic sodium phosphate, disodium acid phosphate, disodium phosphate, disodium hydrogen phosphate, DSP.
<b>Product Use and Restrictions on Use</b>	Food ingredient, water treatment.
<b>Initial Supplier Identifier</b>	ClearTech Industries Inc. 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

## Section 02 - Hazard Identification

### GHS-Classification

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

## Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Sodium Phosphate, Dibasic	7558-79-4	100%	

## Section 04 - First Aid Measures

<b>Inhalation</b>	If symptoms are experienced, move to fresh air. If you feel unwell, seek medical attention.
<b>Skin Contact / Absorption</b>	Rinse skin with lukewarm, gently flowing water for 5 minutes or until chemical is removed. If skin irritation occurs, seek medical attention.
<b>Eye Contact</b>	If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 30 minutes, while holding the eyelids open. If eye irritation persists, seek medical attention.
<b>Ingestion</b>	Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth. If 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 appropriate extinguishing media for the surrounding fire.
<b>Unsuitable Extinguishing Media</b>	Not Available
<b>Specific Hazards Arising From the Chemical</b>	During a fire, irritating/toxic phosphorus oxides may be generated. Closed containers may explode in the heat of a fire.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
<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 material from entering sewers. Notify government environmental agencies if material is released into the environment.
<b>Methods and Materials for Containment and Cleaning Up</b>	Shovel or sweep up dry material for recycling or 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 cool, dry place to maintain product performance. Product is hygroscopic and should be stored in a dry area.
<b>Incompatibilities</b>	Strong acids.

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## Section 08 - Exposure Controls and Personal Protection

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### Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Sodium Phosphate	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.
<b>Hand Protection</b>	Not specific requirement, but it is good practice to prevent skin contact.

<b>Skin and Body Protection</b>	Not specific requirement, but it is good practice to prevent skin contact. No special footwear is required other than what is mandated at place of work.
<b>Respiratory Protection</b>	No specific guidelines are available. An approved dust and mist air-purifying respirator 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 powder
<b>Colour</b>	White
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not Applicable

### **Property**

<b>pH</b>	9.1 (1% solution)
<b>Melting Point/Freezing Point</b>	Decomposes at 240°C
<b>Initial Boiling Point and Boiling Range</b>	Does not boil
<b>Flash Point</b>	Not Applicable
<b>Evaporation Rate</b>	Not Applicable
<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>	Does not form a vapour.
<b>Vapour Density (Air=1)</b>	Not Applicable
<b>Relative Density</b>	Not Available
<b>Solubility(ies)</b>	Soluble in water Insoluble or practically insoluble in ethanol.
<b>Partition Coefficient: n-octanol/water</b>	Not Available
<b>Auto-ignition Temperature</b>	Not Applicable
<b>Decomposition Temperature</b>	240°C
<b>Viscosity</b>	Not Applicable
<b>Explosive Properties</b>	Not Available

<b>Specific Gravity (Water=1)</b>	~1.7
<b>% Volatiles by Volume</b>	Not Available
<b>Formula</b>	Na <sub>2</sub> HPO <sub>4</sub>
<b>Molecular Weight</b>	141.96

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## Section 10 - Stability and Reactivity

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<b>Reactivity</b>	Not Available
<b>Stability</b>	Normally stable.
<b>Possibility of Hazardous Reactions</b>	Will not polymerize.
<b>Conditions to Avoid</b>	Heat, generation of dust.
<b>Incompatible Materials</b>	Strong acids.
<b>Hazardous Decomposition Products</b>	None known.

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## Section 11 - Toxicological Information

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### Acute Toxicity

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
Sodium Phosphate, Dibasic	>2000mg/kg (rat)	>7940mg/kg (rabbit)	Not Available

### Chronic Toxicity – Carcinogenicity

<b>Component</b>	<b>IARC</b>
Sodium Phosphate, Dibasic	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

<b>Skin Corrosion/Irritation</b>	Not a skin irritant.
<b>Ingestion</b>	Not harmful if swallowed.
<b>Inhalation</b>	Dust and mist may be irritating to the nose and throat.
<b>Serious Eye Damage/Irritation</b>	The dust may be irritating as a “foreign substance”. Some tearing, blinking and mild, temporary pain may occur as the solid material is rinsed from the eye by tears.
<b>Respiratory or Skin Sensitization</b>	Not known to be a respiratory or skin sensitizer.
<b>Germ Cell Mutagenicity</b>	Not known to be a mutagen.
<b>Reproductive Toxicity</b>	Not known to cause reproductive toxicity.
<b>STOT-Single Exposure</b>	Not Available
<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
Sodium Phosphate	Not Available	Not Available	LC <sub>50</sub> (Daphnia magna, 50hr): 1089mg/L
<b>Biodegradability</b>	Not Available		
<b>Bioaccumulation</b>	Not Available		
<b>Mobility</b>	Not Available		
<b>Other Adverse Effects</b>	This material is not expected to product any significant adverse environmental effects when recommended use instructions are followed.		

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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 devises 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** August 13, 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

**ClearTech Industries Inc. - Locations**

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