

**Material Safety Data Sheet**  
**HydroBLAST Enhancer**

**Isopure Corp.**

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<b>Health:</b>	<b>1- Hazardous</b>
<b>Fire:</b>	<b>0- Minimal</b>
<b>Reactivity:</b>	<b>1- Slight</b>

Product: HydroBLAST Enhancer

MSDS: 215030

Preparation Date: 2/15/02

Rev A

***Section 1- Chemical Product and Company Identification***

**Product Chemical Name:** A Chemical Mixture

**Chemical Formula:** Sodium Chloride

**Manufacture:** Isopure Corp

**For Emergency:** Chemtrec 24 hrs a day (800) 424-9300

**Synonyms:** Not Listed

***Section 2 – Composition/Information on Ingredients***

<b>Ingredient</b>	<b>CAS Number</b>	<b>%Wt or N</b>
Sodium Chloride	7647-14-5	-60-80
Inert Ingredient	7732-18-5	Balance

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### Section 2- Composition/Information on Ingredients

OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
TWA	TLV Res	TWA	TVL	TWA	TLV	IDLH
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
15 mg/m3	5 mg/m3	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**Description:** White Crystalline Solid

**Active Ingredient:** The active ingredient is potassium peroxydisulfate, KHSO<sub>5</sub> [CAS-RN 10058023-8] commonly known as potassium Monopersulfate, which is present as a component of a triple salt with the formula.

### Section 3- Hazard Information

#### \*\*\* Emergency Overview – Potential Health Effects\*\*\*

**Primary Entry Route:** Inhalation, Digestion, and Skin Contact.

**Target Organs:** Eyes, Skin Respiratory System, Digestive system

**Eye Contact:** Eye Corrosion or Ulceration

**Skin Contact:** Irritant to Skin Burns or Ulceration

**Inhalation:** Nose Bleeds or Irritation of Upper Respiratory Passages

**Ingestion:** Inflammation or Damage to Stomach Lining.

**Carcinogenicity:** Not Considered to be.

**Medical Conditions:** None Listed.

## Material Safety Data Sheet

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### *Section 4 – First Aid Measures*

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**Ingestion:** If swallowed, do not induce vomiting. Immediately give glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

### *Section 5 – Fire Fighting Measures*

**Flash Point:** Nonflammable

**Burning Rate:** N/A

**Auto Ignition:** N/A

**LEL:** N/A

**UEL:** N/A

**Flammability:** 0

**Classification:**

**Extinguishing Media:** Use that of surrounding fire.

**Fire Fighting Instructions:** Will release oxygen when heated, intensifying a fire. Acidic mist may be present; self-contained breathing apparatus should be used.

## Material Safety Data Sheet

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### *Section 6 – Accidental Release Measures*

**Safeguards (Personnel):** Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

**Accidental Release Measures:** Sweep up. Flush area with low-pressure water (see Disposal Considerations).

### *Section 7 – Handling and Storage*

**Handling:** Do not inhale. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Wash clothing after use.

**Storage:** Store in a cool, dry, well-ventilated area away from heat sources such as light fixtures or space heaters.

### *Section 8 – Exposure Controls/Personal Protection*

**Engineering Controls:** Use sufficient ventilation to keep employee exposure below recommended limits.

**Personal Protective Equipment:  
For Exposure to Dry Material:**

**Eye/Face Protection:** Wear safety glasses or coverall chemical splash goggles.

**Respirators:** A NIOSH approved air-purifying respirator with an appropriate particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Protective Clothing:** Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants and jacket.

## Material Safety Data Sheet

**Product:** HydroBLAST Enhancer

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### *Section 8 – Exposure Controls/Personal Protection – Continued*

#### **For Exposure to Solutions:**

**Eye/Face Protection:** Wear coverall chemical splash goggles. Additionally wear a face shield where the possibility exists for face contact due to splashing or spraying of material.

**Respirators:** A NIOSH approved air-purifying respirator with an appropriate particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Protective Clothing:** Where there is potential for skin contact, wear impervious clothing such as gloves boots or whole bodysuit.

### *Section 9 – Physical and Chemical Properties*

**Boiling Point:** @760 mm Hg Decomposes  
**Vapor Pressure:** NIL  
**Vapor Density:** Not volatile  
**Melting Point:** Decomposes  
**Evaporation Rate:** (butyl acetate = 1)  
Not volatile  
**Solubility in Water:** 25.6 wt% @ 20 C (68F)  
**PH:** 5.0-8.0  
**Order:** Slight Halogen  
**Form:** Granular; free flowing solid  
**Color:** White  
**Specific Gravity:** 2.6

## Material Safety Data Sheet

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### *Section 10 – Stability and Reactivity*

**Chemical Stability:** Stable when handled and stored as indicated.

**Incompatibility with Other Materials:** The mixture with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present.

**Decomposition:** Decomposes with heat or dampened, releasing oxygen and heat of decomposition.

**Polymerization:** Polymerization will not occur.

### *Section 11 – Toxicological Information*

#### **Animal Data:**

**Inhalation 4-hour LC50:** >5 mg/l in rats  
**Skin absorption LD50:** >11,000 mg/kg in rabbits  
**Oral:** 2,000 mg/kg in rats

Single inhalation exposures produced nonspecific effects such as weight loss and irritation. Repeated inhalation exposures produced eye irritation and reversible corneal damage. By ingestion, the administration of large single doses produced nonspecific effects such as weight loss and irritation as well as gastric ulceration, necrosis, and hemorrhage.

### *Section 12 – Ecological Information*

#### **Aquatic Toxicity:**

Potassium Sulfate: 96-hour Tlm, bluegill sunfish 3,500 mg/l

Magnesium Carbonate: 96-hour LC50, species unidentified >1,000 ppm

## Material Safety Data Sheet

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### *Section 13 – Disposal Conditions*

Comply with Federal, State, and Local regulations. Check pH of liquid solutions prior to disposal a pH <2.0 may be a RCRA hazardous waste upon disposal due to the acidic pH characteristic of the solution. If approved, flush to sewer or waste treatment plant.

### *Section 14 – Transport Information*

**Proper Shipping Name:** Sodium Chloride

**Hazard Class:**

**UN Number:**

**DOT/IMO Label:**

**Packing Group:**

### *Section 15 – Regulatory Information*

#### U.S. Federal Regulations

**Acute:** Yes  
**Chronic:** No  
**Fire:** No  
**Reactivity:** No  
**Pressure:** No

#### Lists:

**SARA Extremely Hazardous Substance:** No  
**CERCLA Hazardous Material:** No  
**SARA Toxic Chemical:** No

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<i>Section 16 – Other Information</i>
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**This product is manufactured for use in the Isopure MD Series of Reverse Osmosis machines. Isopure cannot validate the effectiveness of this product for use in other systems or applications.**