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## SECTION 1: IDENTIFICATION

Product Name: DrainX Tankless Water Heater Descaler

Product Number: DHX1-1054, DHX1-1052

Chemical Name: Mixture

Product Use: Industrial Cleaning

SDS Date of Issue: 3/30/2021

Manufacturer:

DrainX

4809 Avenue N #331

Brooklyn, NY 11234

718-251-0096

718-745-3203 (Fax)

Emergency Contact Number: 718-251-0096

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## SECTION 2: HAZARDS IDENTIFICATION



**Signal Word: Warning**

**Causes serious eye irritation.** Irritating to skin and respiratory system.

Potential Acute Health Effects: Irritating in case of skin contact of eye contact and of ingestion. Inflammation of the eye is characterized by redness, watering, and itching. Skin irritation is characterized by itching, scaling, reddening. Slight hazardous in case of inhalation (lung sensitizer). Non-corrosive for lungs.

**Skin contact** may produce some irritation depending on the concentration and time on the skin. Rinse eyes

**Inhalation** of the spray mist may produce severe irritation of respiratory tract.

**Carcinogenicity:** Not available.

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### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS#</u>	<u>%</u>
Sulfamic Acid	5329-14-6	>90%

### **SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with milk if closely available then rinse with plenty of water. Cover the irritated skin with an emollient if desired. Cold water may be used. Get medical attention if symptoms appear.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** If swallowed, call a poison control center immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### **SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media:** Use water fog or spray, foam, or dry chemical.

**Fire Fighting Procedures:** Cool fire exposed containers with water.

**Fire Fighting Equipment:** As in any fire involving chemicals, wear positive pressure, self-contained breathing apparatus and full protective gear.

**Hazardous Decomposition Products:** Vapors of ammonia and sulfur trioxide

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### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Small Spill:** Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.

**Large Spill:** Stop leak if without risk. Absorb liquid with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use

water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate.

### **SECTION 7: HANDLING AND STORAGE**

Handling: Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wear recommended personal protective equipment. Wash thoroughly after handling.

Storage: Store in a dry area. Store away from acids. Keep containers closed when not in use.

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### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Chemical Name**

#### **Exposure Limits**

Sulfamic Acid

5 ppm OSHA PEL

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Granulated White Powder

Appearance: White powder

Odor: Slight Ammonia odor

pH: N/A

Boiling point: N/A

Specific gravity: ND

Melting point: ND

Vapor pressure: N/A

Vapor density: (air = N/A

Water solubility: Soluble

Evaporation rate: ND

Pour Point: ND

Flash point: N/A)

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### **SECTION 10: STABILITY AND REACTIVITY**

Stability: The product is stable.

Conditions of Instability: contact with incompatible materials such as: water, alkalis, oxidizers, chlorine, nitrates

Special Remarks on Corrosivity: Slowly corrosive on soft metal like aluminum and magnesium.

Polymerization: Will not occur

### **SECTION 11: TOXICOLOGICAL INFORMATION**

Symptoms related to the physical, chemical and toxicological properties:

Ingestion: No Data Available

Inhalation: No Data Available

Skin Contact: No Data Available

Eye Contact: No Data Available

Information on Toxicological effects:

Oral Product: LC 50 (rat) = ~3160mg/kg

Dermal Product: LC 50 (rat) = ~3160mg/kg

Oral Product: LC 50 (rat) = ~2000mg/kg

Inhalation Product: No data available

Repeated dose toxicity Product: No data available

Skin Corrosion/Irritation product: No data available

Serious Eye Damage/Irritation product: No data available

### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity:

Acute hazards to the immediate contact area

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Chronic hazards to the immediate aquatic area

Special Remarks on the Products of Biodegradation: Not available.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

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Disposal Method: Hazardous Waste. Dispose in accordance with all local, state and federal regulations.

Empty Container: Empty containers should be completely drained, rinsed thoroughly, properly bunged and promptly returned to a re-conditioner, or properly disposed of.

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#### **SECTION 14: TRANSPORT INFORMATION**

DOT: UN1759, Corrosive Solid, n.o.s. (sulfamic acid), Class 8, PGIII, ERG#154

Individual containers under 11 lbs.: Limited Quantities or Ltd Qty

Ocean (IMDG): UN1759, Corrosive solid, n.o.s. (sulfamic acid), Class 8, PGIII, EMS-No: F-A, S-B

Individual containers under 11 lbs.: UN1759, Corrosive solid, n.o.s. (sulfamic acid),  
Class 8, PGIII, EMS-No: F-A, S-B, Limited Quantities or Ltd. Qty.

Air (IATA): UN1759, Corrosive solid, n.o.s. (sulfamic acid), Class 8, UN1759, PGIII, ERG#154

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#### **SECTION 15: REGULATORY INFORMATION**

Federal and State Regulations:

Federal OSHA 29 CFR1910.1001 – 1050: None

CERCLA Hazardous Substance List: No

Superfund SARA 302, 304, 311,312: No

State Regulations:

California Prop 65: Not Listed

New Jersey: Sulfamic ACID LISTED

Massachusetts: Not listed

Pennsylvania: Not Listed

Rhode Island: Not Listed

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**SECTION 16: OTHER INFORMATION**

NFPA Rating (NFPA 704) – Fire: 1 Health: 3 Instability: 1 Special: None

HMIS Rating Fire 1 Health: 3 Instability: 1 PPE: F

Approved by: Safety and Environmental Department

Prepared by: Chuck Hawes – Consulting Chemist

Date Prepared: 3/30/2021

Revision Summary: New SDS

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