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## H.E.A.T. EXCHANGER ANALYZER TESTER

HMIS: 1-0-0

NFPA: 1-0-0

Data Sheet: 143  
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This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29

CFR 1910.1200.

### SECTION 1: COMPOSITION / INFORMATION ON INGREDIENTS

If present, IARC, NTP, and OSHA Carcinogens, are identified with an asterisk (\*) in this Section.

<u>Ingredient(s)</u>	<u>Exposure Limits</u>	<u>Percent</u>	<u>Note</u>
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No hazardous ingredients known at this time.

### SECTION 2: HAZARDS IDENTIFICATION

**Permissible Exposure Limits:** Not established for this product. See Section 1 for Component PELs and TLVs.

**Effects of Acute Overexposure:**

**Eyes:** Exposure to liquid, vapor, or mist may cause mild eye irritation. Symptoms may include redness, burning and swelling.

**Skin:** Exposure to skin is not known to cause adverse health effects.

**Breathing:** Exposure is not known to cause adverse health effects.

**Swallowing:** Exposure may cause mild irritation. Symptoms may include gastrointestinal irritation (nausea, vomiting, diarrhea, or abdominal discomfort).

**Primary Route(s) of Entry:** Skin contact, eye contact, and inhalation.

**Effects of Chronic Overexposure:** The components in this material are not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

**Medical Conditions Aggravated by Exposure:** Skin contact may aggravate existing dermatitis or other significant skin conditions. Inhalation may adversely affect existing respiratory conditions.

### SECTION 3: FIRST AID MEASURES

**Eyes:** Remove individual from exposure area and into fresh air. Flush eyes with water for at least 15 minutes while holding eyelids apart. Seek medical attention.

**Skin:** Not expected to be required. However, per good industrial hygiene practices, wash exposed area with large amounts of soap and water. If irritation appears and persists, get medical attention.

**Breathing:** Not expected to be required. However, per good industrial hygiene practices, remove individual to fresh air. If breathing is difficult, administer oxygen (if you have been trained in its use). If breathing has stopped, give artificial respiration. Keep person warm, quiet and get immediate medical attention.

**Swallowing:** Do not induce vomiting. Get medical attention. If individual is conscious and alert, rinse mouth with water. Seek medical attention.

### SECTION 4: FIRE FIGHTING MEASURES

**Flash Point:** >200 °F by TCC (component)

**Explosive Limit:** Not applicable

**Extinguishing Media:** Foam, CO<sub>2</sub>, dry chemical, and water.

**Hazardous Decomposition Products:** None.

**Fire Fighting Procedures:** Wear Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with << body protective clothing when fire fighting.

**Special Fire and Explosion Hazards:** None known. This product contains a large amount of water and will not burn under normal fire conditions.

### SECTION 5: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Absorb liquid with vermiculite, floor absorbent, or other absorbent material. Ventilate area well before re-entry. Appropriate personal protective equipment should be worn.

**Large Spill:** Only personnel trained in spill clean-up under 29 CFR 1910.120 should be involved with spill clean-up procedures. Prevent material from entering drains, sewers, streams, or other bodies of water. Prevent from spreading. If run-off occurs notify appropriate authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product on absorbency materials. Transfer contaminated absorbent and other materials to container for neutralization. Neutralize spilled material. Follow Local, State, and Federal regulations for proper disposal.

**SECTION 6: HANDLING AND STORAGE**

Minimize temperature extremes. Keep containers closed when not in use. Do not transfer to unmarked containers. Loosen closure carefully.

**SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory Protection:** Not required under normal conditions of use; however, if sprayed or used in confined areas, a NIOSH / MSHA approved respirator may be advised in absence of proper environmental control. OSHA regulations also permit other NIOSH / MSHA respirators under specified conditions -- see 29 CFR 1910.134 or your safety equipment supplier. Engineering and/or administrative controls should be implemented to reduce exposure.

**Ventilation:** Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below the recommended exposure limits.

**Protective Gloves:** Wear chemical resistant gloves such as n-butyl rubber . Contact your safety equipment supplier.

**Eye Protection:** Chemical splash goggles and a face shield to prevent splash on to the face, in compliance with OSHA regulations, are advised.

**Other Protective Equipment:** To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES**

<u>Property</u>	<u>Measurement</u>	<u>Property</u>	<u>Measurement</u>
Boiling Point	212 °F @ 760 mmHg (component)	Specific Gravity	Approximately 1
Vapor Pressure	17.5 mmHg @ 68°F (component)	Percent Volatiles	NA Vapor
Density	<1 (Air = 1)	Evaporation Rate	Slower than Ether
Solubility In Water	soluble	Appearance	Yellow
pH	Not available		

**SECTION 9: STABILITY AND REACTIVITY**

**Hazardous Polymerization:** Can not occur. **Stability:** Stable.

**Incompatibility:** Avoid contact with strong oxidizers, acids, and bases. Do not mix with any products.

**SECTION 10: TOXICOLOGICAL INFORMATION**

No data available at this time.

**SECTION 11: ECOLOGICAL INFORMATION**

No data available at this time.

**SECTION 12: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all Local, State, and Federal Regulations. It is not anticipated that this product meets the criteria as a RCRA characteristic waste if discarded in its purchased form. However, testing will be required to determine waste characterization on any unused portion of the product.

**SECTION 13: TRANSPORTATION INFORMATION**

**DOT Hazard Classification:** Not required

**SECTION 14: REGULATORY INFORMATION**

SARA Title III, Section 313 chemicals: None Known.

SARA Title III, Section 312 Health -- Acute (Yes) Chronic (No) Fire (No) Reactivity (No). Proposition 65: No

**SECTION 15: OTHER INFORMATION**

Containers used to transport and store this material may be hazardous when emptied. Residue (Vapor, Liquid, and/or Solid) may be present in the emptied container. All hazard precautionary measures should be followed.

The information accumulated and reflected in this Material Safety Data Sheet is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.