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BOILER TREATMENT #200

HMIS: NFPA:

Data Sheet: 156
 Prepared: 12/2/05
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This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 2: 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>
Morpholine	20ppm	2.8	

SECTION 3: HAZARDS IDENTIFICATION

Permissible Exposure Limits: Not established for this product.

Effects of Acute Overexposure:

Eyes: Exposure to liquid, vapor, or mist may cause eye irritation. Symptoms may include stinging, tearing, redness, swelling and eye damage. Prolonged or repeated exposure may cause irreversible eye damage including corneal damage and blindness.

Skin: Exposure to liquid, vapor, or mist may cause skin irritation. Symptoms may include redness and burning. Prolonged or repeated exposure may cause skin damage.

Breathing: Exposure to vapor may cause irritation.

Swallowing: Exposure may be harmful or fatal.

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

Effects of Chronic Overexposure:

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

SECTION 4: FIRST AID MEASURES

Eyes: Immediately remove individual from exposure area and into fresh air. Flush eyes with water for at least 15 minutes while holding eyelids apart. Get medical attention if irritation persists.

Skin: Remove contaminated clothing immediately. Wash exposed area with soap and water for at least 15 minutes. Get medical attention if irritation persists.

Breathing: If affected, 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. Vomiting will cause further damage to the throat. Get medical attention immediately. If individual is conscious and alert, immediately give large amounts of water to drink. Seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: n/a

Explosive Limit: Not applicable

Extinguishing Media: Foam, CO₂, Dry Chemical, and Water.

Hazardous Decomposition Products: Ammonia, Carbon Dioxide, Carbon Monoxide

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

Special Fire and Explosion Hazards: Ammonia may be released upon combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: Absorb liquid with vermiculite, floor absorbent, or other absorbent material. Ventilate area well before re-entry. Appropriate personal protective equipment should be worn. Follow Local, State, and Federal regulations for proper disposal.

SECTION 7: HANDLING AND STORAGE

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Not required under normal conditions of use.

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

Protective Gloves: Wear chemical resistant gloves such as neoprene or PVC. 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 9: PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Measurement</u>	<u>Property</u>	<u>Measurement</u>
Boiling Point	>250°F	Specific Gravity	1.12
Vapor Pressure	n/a	Percent Volatiles	2.5
Vapor Density	n/a	Evaporation Rate	Slower than Ether
Solubility In Water	Soluble	Appearance	dark liquid, strong odor
pH	8.5 – 9.5		

SECTION 10: STABILITY AND REACTIVITY

Hazardous Polymerization: Cannot occur.

Stability: Stable.

Incompatibility: Acids, strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

No data available at this time.

SECTION 12: ECOLOGICAL INFORMATION

No data available at this time.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Local, State, and Federal Regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT Hazard Classification: Compound, cleaning, liquid NOI

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.