

**MATERIAL SAFETY DATA SHEET**

**SECTION I. IDENTIFICATION OF PRODUCT**

Name: Super Hot Cleaner 1126  
Identity: Fe Hot Tank Cleaner      MSDS Number: 1126      Date: 09/30/2005      Supersedes: 11/19/2004  
TOXICITY: 3      FIRE: 0      REACTIVITY: 1      PROTECTION: C

**SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Name	CAS Number	PEL	TLV	%
Sodium Hydroxide	1310-73-2	2 mg/ 3	2 mg/ 3	<60
Sodium Metasilicate	6834-29-0	2 mg/ 3	2 mg/ 3	20

**SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: 212° F	Specific Gravity: NA	Vapor Pressure (mm Hg.): ND	Melting Point: ND
Vapor Density (Air = 1): ND	Evaporation (H2O = 1):0	Water Solubility: Complete	pH @ 77°F: 1% soln= 13.0
			VOCgm/L: 0

Appearance and Odor: Yellowish powder with white beads

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

Flash Point (TCC): None	% LEL: ND	% UEL: ND	Flammable Limits: ND
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Extinguishing Media: Water fog, foam, carbon dioxide. Cool containers exposed to flames with water from side.

Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and impervious protective clothing.

Unusual Fire and Explosion: Contact with water and aluminum may liberate hydrogen gas

**SECTION V. HEALTH HAZARD DATA**

Route(s) of Entry: INHALATION? Yes    EYES? Yes    SKIN? Yes    INGESTION? Yes

**(Acute) Health Hazards:**

Eyes: Corrosive. Causes eye burns. May cause permanent damage

Skin: Corrosive. Causes skin burns. It may not produce an immediate burning sensation upon skin contact, delaying the awareness of worker that contact has occurred.

Ingestion: May cause severe internal injury characterized by mouth and stomach pain.

Inhalation: May produce irritation of eyes, nose, or upper respiratory tract with coughing and sore throat.

(Chronic) Health Hazards: None Known

**Signs and Symptoms of Exposure:**

Eyes: Severe eye irritation and/or burns may occur

Skin: Can cause severe irritation and/or burns characterized by redness, swelling and scab formation.

Ingestion: Irritation and burns to stomach and intestines; nausea, vomiting, diarrhea, ulcerations

Inhalation: Can cause irritation to the nose, mouth, throat, and lungs.

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

**Emergency First Aid Procedures:**

Eyes: Immediately flush eyes with large amounts of water for about 15 minutes. Hold eyelids apart during the flushing to ensure thorough rinsing.

Skin: Immediately flush all affected areas with large amount of running water for at least 15 minutes. Remove and discard contaminated clothing and shoes. Get medical attention.

Ingestion: Do not induce vomiting. If conscious, give large quantity of water. Do not give anything by mouth to an unconscious person. Obtain medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

#### SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? No IARC No OSHA REGULATED? No

#### SECTION VII. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization Will Not Occur

Incompatibility (Materials to Avoid): Water reacts vigorously and violently with all common chemicals.

Hazardous Decomposition Byproducts: Thermal decomposition may include toxic & corrosive fumes of ammonia

#### SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Contain material with dike or barrier. Do not let material enter sewers

Large Spills: Mop up. Neutralize traces with dilute inorganic acids. Material can be removed with vacuum truck.

Disposal: Meet Federal, State & Local Requirements

Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

#### SECTION IX. CONTROL MEASURES

Respiratory Protection: NIOSH dust mask

Ventilation: Sufficient to keep PEL from being exceeded

Local Exhaust: Recommended if generating dust

Mechanical (General): If needed to maintain levels below PEL

Protective Gloves: Impervious

Eye Protection: Chemical safety goggles

Other Protective Clothing or Equipment: Long pants, sleeves, apron

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

#### SECTION X. DOT INFORMATION

Corrosive, Solid, Basic, Inorganic, n.o.s. (SODIUM HYDROXIDE, SODIUM METASILICATE) 8, UN 3262,PGII

#### SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: No

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Available

NE- Not Established

ND - Not Determined