



5332 Dansher Road
Countryside, Illinois 60525



MATERIAL SAFETY DATA SHEET

Revision Date: 6/2/2008

MSDS No. EM-010

Emergency Phones: 708-579-8100 (NYCO)

800-424-9300 (CHEMTREC)

PLEASE NOTE: This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL and STATE RIGHT-TO-KNOW regulations. Also make this information available to any employee who requests it. It is your obligation to comply with these regulations.

SECTION I - PRODUCT IDENTITY

PRODUCT NAME: Orange H.D. Degreaser

Formula: Mixture, silicate alkaline builder and detergent in water

HMIS RATINGS

Health =2 (Moderate)	Flammability = 0 (Insignificant)
Reactivity = 0 (Minimal)	Protection = B (Goggles & Gloves)

SECTION II - HAZARDOUS INGREDIENTS

	<u>PERCENT</u>	<u>TLV</u>	<u>CARCINOGEN</u> <u>(OSHA, TP, IARC)</u>
Sodium metasilicate CAS No. 6834-92-0	>15%	None	No

SECTION III - CHEMICAL AND PHYSICAL

Appearance: Clear Orange Liquid	Boiling Point: 212° F.
Odor: None	Melting Point: N/A
Ph: 12.75 ± 0.5	Spec. Gravity (H ₂ O = 1): 1.07, 8.960 lbs/gal
Water Solubility: Complete	Vapor Pressure (Mm Hg): N/A
Viscosity: < 25 Cps (Brookfield) – Water Thin	VOC Content: 5.0%

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point (Method): None	Explosion Limits: Upper: N/A Lower: N/A
----------------------------	--

Extinguishing Media: N/A (product is non-flammable)

Special Firefighting Procedures and Hazards: Minimize prolonged skin and eye contact. Wear eye protection if exposure is likely.

SECTION V - REACTIVITY INFORMATION

Stable: Unstable:

Precautions:

Incompatibility: Strong acids and materials not resistant to alkalis.

Hazardous Decomposition Products: If in a fire: CO, CO₂, and hydrocarbons. Contact with active metal can release hydrogen gas.

Hazardous Polymerization: Occurs: Does Not Occur:

SECTION VI - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

- Inhalation: Breathing of mists may cause respiratory irritation and can cause burns. Wear alkali mist respirator if needed. Remove to fresh air. Give artificial respiration or oxygen if needed.
- Skin: Extended contact may cause irritation or burns. Wear protective gloves if needed. Get medical attention for any irritation or burns.
- Eyes: Can cause irritation or burns. Wear splash proof goggles or glasses as needed. Flush immediately with water for 15 minutes. Get prompt medical attention if burns persist.
- Ingestion: Causes irritation in mouth and throat and a mild gastric disturbance. Rinse mouth. Drink lots of water or, preferably milk. Do not induce vomiting. Get medical attention.

Most likely routes of entry: Skin, Eyes.

Other Important Medical or Precautionary Information: None

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Do not drain to sewer without dilution. Larger spills should be contained by diking or other methods and held for disposal or reuse.

Storage and Handling: Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and acid convenient.

Waste Disposal: Product may be disposable in sewers if local regulations permit. Otherwise send to a licensed treatment facility.

Empty Containers: Rinse well before handling and disposal. Observe label precautions.

Other Precautions: None

SECTION VIII - REGULATORY INFORMATION

Reportable for SARA Title III, S.313 (Form R): None

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, Chemblend International cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.