



Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor
Occupational Safety and Health Administration

Identification (As Used on Label and List)
LOW TEMP DETERGENT

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked.

Section I

Manufacturer's Name	Emulso Corporation
Address (number, street, state & zip code)	301 Ellicott Street Buffalo, New York 14203
Emergency Phone Number	716-854-2889
Telephone Number for Information	716-854-2889
Date Prepared February 2006	Signature of Preparer (optional)

Section II - Hazards Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name (s)	Caustic Soda-Sodium Hydroxide CAS #1310-73-2
OSHA PEL	
ACGIH TLV	
Other Limits Recommended	
% (optional)	

Section III - Physical/Chemical Characteristics

Boiling Point N/A	Specific Gravity (H2O=1) 1.25
Vapor Pressure (mm Hg) N/A	Melting Point N/A
Vapor Density (AIR=1) N/A	Evaporation Rate (Butyl acetate = 1) > 1
Solubility in Water Complete	
Appearance and Odor Red color; Slight odor	

Section IV - Fire & Explosion Hazard Data

Flash Point (method used) N/A	
Flammable Limits	LEL N/A UEL N/A
Extinguishing Media Use media appropriate to primary cause of fire.	
Special Fire Fighting Procedures Wear protective clothing including a NIOSH approved, self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards Product may react with some metals such as aluminum, zinc, tin, etc. to release flammable hydrogen gas.	

Section V - Reactivity Data

Stability	Conditions to Avoid Mixing with other cleaning agent.
Unstable	
Stable X	N/A



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Incompatibility (materials to avoid) Avoid acidic materials, organic chemicals and various metal which can generate flammable hydrogen gas.

Hazardous Decomposition or Byproducts If burned, normal combustion products..

Hazardous Polymerization

Conditions to Avoid

May Occur

Will Not Occur X N/A

Section VI – Health Hazard Data

Route(s) of Entry Inhalation? Yes Skin? Yes Ingestion? Yes Eyes? Yes

Health Hazards (Acute and Chronic) Corrosive to all body tissues. CHRONIC – N/E
 Inhalation: May cause coughing, discomfort, irritation to nose, throat and mucous membranes.
 Skin contact: May cause severe irritation, dermatitis, and chemical burns.
 Ingestion: May cause discomfort, nausea, vomiting and severe tissue damage to mouth, esophagus, stomach and to other tissues.
 Eye Contact: May cause severe irritation, burning, vision loss and blindness.

Carcinogenicity NTP? N/E IARC Monographs? N/E OSHA Regulated? Yes

Signs and Symptoms of Exposure May cause burns to skin and eyes.

Medical Conditions Generally Aggravated by Exposure Open cuts, sores.

Emergency and First Aid Procedures Eyes: immediate and continuous irrigation with flowing water for 30 minutes; seek prompt medical attention.
 Skin: Immediate and continuous washing with water for 30 minutes; seek prompt medical attention.
 Ingestion: DO NOT INDUCE VOMITING. Give large amounts of water and transport to medical facility.
 Inhalation: Remove to fresh air. Seek medical attention if difficulty persists.

Section VII – Precautions for Safe Handling and Use

Steps Taken in Case Material is Released or Spilled Stop leak. Dike to prevent spreading. Collect and absorb with inert material. Flush area well with water. Note: Spills are slippery.

Waste Disposal Method In accordance with local, state and federal regulations.

Precautions to Be Taken in Handling And Storing Do not allow freezing.

Other Precautions Keep out of reach of Children.

Section VIII – Control Measures/Personal Protective Equipment

Respiratory Protection (Specify Type) Not normally required.

Ventilation – Local Exhaust Local exhaust preferred. Special N/A

Mechanical (General) N/A Other N/A

Protective Gloves Rubber or Neoprene **Eye Protection** Splash-proof chemical goggles.

Other Protective Clothing or Equipment Rubber boots and apron.

Work/ Hygienic Practices Wash after handling or using product. Launder contaminated clothing before reuse. Clean or replace contaminated footwear.