



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)
D SCALE

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 January 2006	Signature of Preparer (optional)

Section II - Hazards Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name (s))

OSHA PEL 1 mg / m3	* Phosphoric acid 32%
ACGIH TLV	
Other Limits Recommended ceiling: 5ppm / 7 mg / m3	** Muriatic Acid 6%
% (optional)	

Section III - Physical/Chemical Characteristics

Boiling Point 130 - 158 C	Specific Gravity (H2O=1) 1.5 - 1.7
Vapor Pressure (mm Hg) @ 25 C 8-2	Melting Point N/A
Vapor Density (AIR=1) N/A	Evaporation Rate (Butyl acetate = 1) N/A
Solubility in Water Complete	
Appearance and Odor Clear; Odorless	

Section IV - Fire & Explosion Hazard Data

Flash Point (method used) Non-Flammable	
Flammable Limits	LEL N/A UEL N/A
Extinguishing Media Use media appropriate to primary cause of fire.	
Special Fire Fighting Procedures Full protective clothing and self contained breathing apparatus.	
Unusual Fire and Explosion Hazards * Thermal decomposition emits toxic fumes of oxides of phosphorous.	

Section V - Reactivity Data

Stability	Conditions to Avoid N/A
Unstable	
Stable X	Avoid heat; do not mix with anything.
Incompatibility (materials to avoid) Most metals, strong oxidizers.	
Hazardous Decomposition or Byproducts Flammable hydrogen gas; chlorine gas.	
Hazardous Polymerization	Conditions to Avoid
May Occur	
Will Not Occur X N/A	

Section VI - Health Hazard Data



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Route(s) of Entry	Inhalation? Yes Skin? Yes Ingestion? Yes
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Health Hazards (<i>Acute and Chronic</i>)	Acute: may be irritating. Chronic: slightly toxic with repeated inhalation or ingestion.
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Carcinogenicity	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure	Redness and swelling.
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Medical Conditions Generally Aggravated by Exposure	N/A
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Emergency and First Aid Procedures	Eyes: immediately flush with water for 15 min. Seek medical attention. Skin: flush with water, seek medical attention. Ingestion: dilute with large quantities of water; DO NOT INDUCE VOMITING; seek medical attention.
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Section VII – Precautions for Safe Handling and Use

Steps Taken in Case Material is Released or Spilled	Dike and salvage or neutralize (with soda ash or lime).
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Waste Disposal Method	Neutralize then discharge into the treatment system in accordance with all local, state and federal regulations.
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Precautions to Be Taken in Handling And Storing	Store at room temperature.
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Other Precautions	Keep out of reach of Children
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Section VIII – Control Measures/Personal Protective Equipment

Respiratory Protection (Specify Type)	Not normally required
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Ventilation – Local Exhaust	Satisfactory	Special	N/A
Mechanical (General)	N/A	Other	N/A

Protective Gloves	Rubber or Neoprene Gloves	Eye Protection	Safety goggles if splashing is possible.
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Other Protective Clothing or Equipment	Not normally required.
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Work/ Hygienic Practices	Wash hands after handling.
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