

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
 Essentially similar to Non-Mandatory
 Approved O.S.H.A. Form
 OMB No. 1218-0072

IDENTITY:

Water Soluble Cutting Oil**MIL-DTL-4339****SECTION I**

Cage Code 1RRC4
MACH-DYNAMICS
 494 Main Street
 Susquehanna, PA 18847

Emergency Only Telephone No. +1 (800) 392-7701
 Telephone Number for Information: +1 (775) 278-9308
 Preparation/Revision Date: 8/02/2011
 Prepared by: Mark Gingerella

SECTION II - Hazardous Ingredients Identity/Information

Carboxylic Acid, Amine Salt		<15%
Isooctyl Alcohol		<2%
Monoethanolamine	3 ppm 3 ppm	<2%

SECTION III - Physical/Chemical Characteristics

Boiling Point:	N/A.	Specific Gravity (0.9
Vapor Pressure (mm Hg.):	N/A.	Melting Point	N/A.
Vapor Density (AIR = 1):	N/A.	Evaporation Rate:	N/A.
		(Butyl Acetate = 1)	

Solubility in Water: Soluble

Appearance and Odor: Amber colored liquid, mild petroleum odor

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 132°C (COC) min: Flammable Limits: undetermined LEL N/A UEL N/A

Extinguishing Media: CO₂, dry chemical, foam or water fog.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus for fires in confined spaces

Unusual Fire and Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning.

SECTION V - Reactivity Data

Stability: Unstable: Conditions to Avoid: Elevated temperatures and pressures.
 Stable: XX
 Incompatibility (Materials to Avoid): oxidizing agents

Hazardous Decomposition or Byproducts: ~~Smoke, Carbon monoxide, aldehydes, and oxides of nitrogen.~~

Hazardous May Occur: Conditions to Avoid: Contact with strong oxidizers.
 Polymerization: Will Not Occur: XX

SECTION VI - Health Hazard Data

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

Health Hazards (Acute and Chronic): Threshold Limit Value: 5mg/M³ as a mist. LD50 in rats is 2 gm/kg.
 Severe eye irritant. Skin irritant. Repeated overexposure may cause liver & kidney damage. Swallowing causes irritation of mouth, esophagus and stomach, with nausea, diarrhea and vomiting.

Carcinogenicity: No reportable carcinogens..

Signs and Symptoms of Exposure: Eye or skin irritation, headaches, nausea, weakness or drowsiness.

Medical Conditions Generally Aggravated by Exposure: Not established.

Emergency and First Aid Procedures: Oral: Call a physician. DO NOT induce vomiting. Skin : Wash immediately with soap and water. See a physician if irritation persists. Eye: Flush immediately with water for at least 15 minutes. See a physician. Inhalation: Remove to fresh air. See a physician if irritation persists.

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken In Case Material Is Released or Spilled Absorb on inert material.

Waste Disposal Method: If disposed of, this material is not expected to be a hazardous waste. Follow federal, state, and local regulations.

Precautions To Be Taken In Handling and Storing Do not mix with organic nitrites or organic nitro compounds, nitrites or nitrates..

Other Precautions: Avoid breathing mist or vapor. Avoid contact with this material. Wash thoroughly after handling.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): Determined by concentration in air. Use NIOSH certified full-face respirator with organic vapor and high efficiency filter if exposure limits exceeded.

Ventilation: Local Exhaust: X Special:
 Mechanical (General): X Other:

Protective Gloves Neoprene or nitrile gloves Eye Protection Face Shield

Other Protective Clothing or Equipment: Avoid all skin contact. If contact unavoidable, wear impervious protective gear. Discard contaminated shoes. Long sleeves recommended.

Work/Hygienic Practices: ~~Wash thoroughly after handling. Launder soiled clothes.~~