

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

000395

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Viscosity Oil Company		EMERGENCY TELEPHONE NO. (312) 847-0224
ADDRESS (Number, Street, City, State, and ZIP Code) 3200 S. Western Avenue - Chicago, Illinois 60608		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS ML-54-I Grease
CHEMICAL FAMILY Lithium soap, petroleum hydrocarbon	FORMULA Proprietary	

SECTION II—HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III—PHYSICAL DATA*

BOILING POINT (°F.)	Approx. Range	Above	400°F	SPECIFIC GRAVITY (H ₂ O = 1)	0.889
VAPOR PRESSURE (mm Hg.)			NA	PERCENT, VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR = 1)			NA	EVAPORATION RATE (Ether = 1)	NA
SOLUBILITY IN WATER	@ 25°C		Negligible	(NA: Not applicable)	
APPEARANCE AND ODOR	Amber semi-solid grease with mineral oil odor				

SECTION IV—FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	COC: 400°F (204°C)	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Dry chemical, CO ₂ , foam, water fog, sand/earth			
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Dense smoke			

SECTION V—HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Not established

EFFECTS OF OVEREXPOSURE

May cause skin and eye irritation with prolonged contact

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with large amounts of water for 15 minutes. Call a physician immediately.

Skin: Wash thoroughly with soap and water.

Ingestion: Call a physician immediately.

SECTION VI—REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Keep away from strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Combustion: oxides of carbon

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII—SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Transfer bulk of material into another container. Absorb remaining residue with proper absorbents such as sand, earth, vermiculite. Sweep up and dispose as solid waste.

WASTE DISPOSAL METHOD

Use methods consistent with local, state and federal regulations.

SECTION VIII—SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

None required.

VENTILATION

LOCAL EXHAUST

SPECIAL

None required

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Rubber or plastic oil resistant gloves

EYE PROTECTION

Safety glasses or full face shield

OTHER PROTECTIVE EQUIPMENT

SECTION IX—SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed.

OTHER PRECAUTIONS

Unregulated by DOT.