

MATERIAL SAFETY DATA SHEET

Manufactured For: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Polyol Esters & Additives		Trade Name: #230 Fire Retardant Gear Lube ISO 150				
Formula: Proprietary formulation						
SECTION 2 – HAZARDOUS INGREDIENTS						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m ³	ppm	mg/m ³
Olefin Sulfide		1.2-1.5		NE		NE
Trimethylolpropane Oleate	157675-55-4	80-82		5		5
Alkyl Sulfide		.015-.045		NE		NE
Dimethylpolysiloxanes	63148-62-9	.05		NE		NE
Section 3 – PHYSICAL DATA						
Boiling Point:	>400°F/>204.44°C		Specific Gravity:	.9089		
Vapor Pressure (mm, Hg):	Not Determined		% Volatile:	NIL		
Vapor Density (Air = 1):	>10		Evaporation Rate: (=1)	Not Determined		
Solubility in Water:	Insoluble		pH:	Not Applicable		
Appearance and Odor: Clear oily liquid, low odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F° C: 543°F/283.89°C C.O.C. (ASTM D-92)			Flammability Limits UEL & LEL ----Not Determined			
Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.						
Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined space without protective equipment including self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: None expected.						
SECTION 5 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			Hazardous Decomposition <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Conditions to Avoid: High heat, high energy ignition sources						
Incompatibility (Mat. to avoid): Strong oxidants						
Hazardous Decomposition Products: Oxides of carbon, sulfur, nitrogen, aldehydes and by products of incomplete combustion.						
Conditions to Avoid: None						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: 5.0/mg/m ³ for oil mist. OSHA & ACGIH.						
Acute Effects of Overexposure:						
Ingestion:	Nausea and Diarrhea.					
Eye Contact:	Irritation and redness to eyes					
Skin Contact:	Prolonged and repeated contact with the skin may cause a mild irritation to skin.					
Inhalation:	Inhalation of vapors given off by high heat can cause irritation to the upper respiratory tract.					
CHRONIC EFFECTS OF OVEREXPOSURE: None currently known						
Emergency and First Aid Procedures:						
Swallowing:	If a large amount of this material is swallowed give a large amount of water to drink. Do not induce vomiting. Seek medical attention immediately.					
Skin:	Wash skin thoroughly with soap and water. Launder contaminated clothing.					
Inhalation:	Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately.					
Eyes:	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately					
SECTION 7 – SPILL OR LEAK PROCEDURES						
Environmental Impact: This material is not expected to present any environmental problems other than those associated with oil spills. If spilled into a watercourse, call the Coast Guard Toll Free No. 800-424-8802.						
Procedures To Be Taken If Material Is Released or Spilled: Absorb spills with absorbent clay, diatomaceous earth or other suitable material. Keep out of sewers and waterways.						
Waste Disposal Method: Dispose of at an approved waste or disposal site or facility in accordance with all applicable federal, state and local laws and regulations.						
SECTION 8 – SPECIAL PROTECTION INFORMATION						
Respiratory Protection:	None required under ordinary conditions of use.					
Ventilation:	No special requirement under ordinary conditions of use and with adequate ventilation.					
Eye Protection:	Goggles or face shield.					
Protective Clothing:	None required					

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SECTION 9 – SPECIAL PRECAUTIONS		
Precautions To Be Taken In Handling and Storage: Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use.		
Special Comments: Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water after handling. Throw away oil soaked shoes. Keep away from food and feed products.		
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA		
HMIS & NFPA Ratings: Health = 1 Fire = 1 Reactivity = 0		
This product does not contain any of the chemicals listed on the National Toxicology Program Annual Reports on Carcinogens, the International Agency for Cancer Research Monographs and OSHA's 1910.10 Subpart Z list.		
This product does not contain any chemicals that are found on the State of California's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agent.		
This product does not contain greater than 1.0% of any chemical substance on the SARA Title III Extremely Hazardous Substance List, the SARA 313 List and the CERCLA 302 and 304 Lists.		
All of the components in this material are on the US TSCA Inventory. All of the components in this material are in compliance with the Canadian Environmental Protection Act.		

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