

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 (24 hr Emergency Number) or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Petroleum Hydrocarbons and Additives		Trade Name: 450 Food Grade H-1 Hi-Temp Chain Lube ISO 15, 150, 220				
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
Glycerides, mixed decanoyl and octanoyl	73398-61-5	50-90	NE	NE	NE	NE
Polybutene	9003-29-6	0-40	NE	NE	NE	NE
1-decene, homopolymer, hydrogenated	68037-01-4	0-3		5		5
Amines C ₁₁ -C ₁₄ branched alkyl monoethyl and diethyl phosphates	80939-62-4	0.5	NE	NE	NE	NE
Diphenylamine	122-39-4	.005	NE	NE	NE	NE
N-phenylbenzenamine, reaction products with 2,4,4-trimethylpentene	68411-46-1	0.5	NE	NE	NE	NE
Section 3 – PHYSICAL DATA						
Boiling Point:	>600°F/300°C	Specific Gravity:	.932-0.946			
Vapor Pressure (mm, Hg):	<0.1	% Volatile:	Negligible			
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Determined			
Solubility in Water:	Insoluble	pH:	Not Applicable			
Appearance and Odor: White color, petroleum odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F/°C: 466°F/241°C (ASTM D-92)		Flammability Limits UEL & LEL ----Not Determined				
Extinguishing Media: CO ₂ , 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						
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 and open flame.						
Incompatibility (Mat. to avoid): Strong oxidizers and reducers.						
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.						
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:	Ingestion may cause a laxative effect and may be irritating to the digestive tract.					
Eye Contact:	Slight irritation and redness to eyes.					
Skin Contact:	No irritation is expected from short- term exposure.					
Inhalation:	Vapors can be given off under high heat conditions excessive breathing of vapors can cause irritation of the respiratory tract.					
CHRONIC EFFECTS OF OVEREXPOSURE: None currently known						
Emergency and First Aid Procedures:						
Swallowing:	Give two glasses of water. Do not induce vomiting. No significant signs or symptoms of any adverse health effects are expected.					
Skin:	Wash skin thoroughly with soap and water. Launder contaminated clothing before reuse.					
Inhalation:	Remove victim to fresh air. If breathing is labored administer oxygen.					
Eyes:	Flush eyes with clear, cool, clean water for 15 minutes. If pain and redness persists after flushing seek medical attention.					
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: Contain spills and prevent from entering sewers and other water bodies. Absorb large spills with absorbent materials. Clean up and put in approved waste containers.						
Waste Disposal Method: Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. This product is not considered to be an RCRA hazardous waste.						
SECTION 8 – SPECIAL PROTECTION INFORMATION						
Respiratory Protection:	None required under ordinary conditions of use with adequate ventilation.					
Ventilation:	Use adequate ventilation to keep oil mists below exposure limits					
Eye Protection:	Safety glasses, chemical resistant gloves or face shield.					
Protective Clothing:	Neoprene or oil resistant gloves.					

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 and before eating, drinking, smoking and using toilet facilities. Throw away oil soaked shoes.		
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA		
HMIS & NFPA Ratings: Health = 0 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 of the chemicals at or above the regulated thresholds that are listed on the EPA's Section 302 SARA Title III and CERCLA Sections 102a/103a lists.		
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 is suitable for use as a component of non-food articles intended for use in contact with food or as a lubricant added to food indirectly as a result of incidental contact with containers or equipment. This product contains 10ppm of vitamin E as a stabilizer.		
This product and its ingredients meet the requirements for the 1998 USDA H-1 guidelines and the requirements of the United States Code of Federal Regulations 21CFR 178.3570, 178.3620(b), and 573.680 of the United States Food and Drug Administration's Regulations.		
All of the components in this material are on the US TSCA Inventory List. All components are in compliance with the Canadian Environmental Act.		
All the materials in this product are listed on and in compliance with the European Union's Inventory (EINECS/ELINCS)		
Transportation Information:		
DOT: Not regulated or classified as hazardous		
IMDG: Not regulated or classified as hazardous		
IATA/ICAO: Not regulated or classified as hazardous		

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