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**

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	>90	NE	NE	NE	NE
Amines C_{11}-C_{14} branched alkyl monohexyl and dihexyl 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	0.495	NE	NE	NE	NE

Section 3 – PHYSICAL DATA

Boiling Point:	>600°F/300°C	**Specific Gravity:**	.0.9469
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:464°F/240°C C.O.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 [**X**] STABLE [ ]UNSTABLE	**Hazardous Decomposition** [ ] WILL [**X**] 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.

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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 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 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 may be safely used on machinery used for producing, manufacturing, packing, processing, preparing, treating, packaging, transporting or holding food. This product meets the requirements of USDA 1998 H-1 and 21 CFR Paragraph 178.3570 of the Food and Drug 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.

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