

MATERIAL SAFETY DATA SHEET

Manufacturer: 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: Petroleum Hydrocarbons and Additives		Trade Name: #289 H-1 MACHINE LUBE ISO 100				
Formula: Technical White oils, USP white oils, anti-oxidants, rust and corrosion inhibitors, anti-wear agent.						
SECTION 2 – HAZARDOUS INGREDIENTS						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m ³	ppm	mg/m ³
Paraffin Base White Mineral Oils	8042-47-5	97-98		5		5
N-Phenylbenzenamine, reaction products with 2,4,4 trimethylpentene	68411-46-1	0.24		NE		NE
Diphenylamine	122-39-4	.01		10		NE
Polybutenes	Mixture	1.0		NE		NE
Section 3 – PHYSICAL DATA						
Boiling Point:	>600°F/300°C	Specific Gravity:	.8719			
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: 457°F/236°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: When heated above its flash point, this material will release flammable vapors which can burn or be explosive in confined spaces.						
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 or 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. Aspiration into the lungs may cause lypoid pneumonia.					
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.					
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.					
Ventilation:	Use adequate ventilation to keep oils 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: Store in a closed container away from heat, open flame or strong oxidizers.		
Special Comments: Remove oil soaked clothing, launder before reuse. Throw away oil soaked shoes. Wash skin thoroughly with soap and water after handling and before eating, drinking, smoking and use of toilet facilities.		
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 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.		

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