

# MATERIAL SAFETY DATA SHEET

<b>Manufacturer:</b> Schaeffer Mfg. Company		<b>Emergency Response Number:</b>					
<b>Address:</b> 102 Barton Street		314-865-4105 or					
<b>Address:</b> St. Louis, MO 63104		800-325-9962					
<b>SECTION 1 – PRODUCT INFORMATION</b>							
<b>Chemical Family:</b> Petroleum Hydrocarbons and Additives		<b>Trade Name:</b> #254 HTC Supreme ISO 320					
<b>Formula:</b> Solvent refined severely hydro-finished paraffin base oils, polyalphaolefin synthetic base fluid, multi-functional anti-wear rust and oxidation inhibitor additive package, sulfurized oxymolybdenum organophosphorodithiolate.							
<b>SECTION 2 – HAZARDOUS INGREDIENTS</b>							
<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b>	<b>CAS Number</b>	<b>%</b>	<b>Exposure Limits</b>				
			<b>TVL</b>		<b>PEL</b>		
			<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	
Zinc Dialkyldithiophosphate	68649-42-3	<1		NE		NE	
Molybdenum Di-2-Ethylhexyl Phosphorodithiolate	68958-92-9	<1		10			
<b>Section 3 – PHYSICAL DATA</b>							
<b>Boiling Point:</b>	>600°F/315.5°C	<b>Specific Gravity:</b>	.88				
<b>Vapor Pressure (mm, Hg):</b>	<.1	<b>% Volatile:</b>	Not Established				
<b>Vapor Density (Air = 1):</b>	Not Determined	<b>Evaporation Rate: (=1)</b>	Not Established				
<b>Solubility in Water:</b>	Negligible	<b>pH:</b>	Not Applicable				
<b>Appearance and Odor:</b> Blue color, mild odor.							
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>							
<b>Flash Point (Method) ° F° C:</b> 500°F/265°C C.O.C. (ASTM D-92)			<b>Flammability Limits UEL &amp; LEL</b> ---- Not Determined				
<b>Extinguishing Media:</b> Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.							
<b>Special Fire Fighting Procedures:</b> For fires involving this material, do not enter any enclosed or confined space without protective equipment including self-contained breathing apparatus.							
<b>Unusual Fire &amp; Explosion Hazards:</b> None expected							
<b>SECTION 5 - REACTIVITY HAZARD DATA</b>							
<b>STABILITY</b>	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE	<b>Hazardous Decomposition</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
<b>Conditions to Avoid:</b> High heat, high energy ignition sources							
<b>Incompatibility (Mat. to avoid):</b> Strong oxidants							
<b>Hazardous Decomposition Products:</b> Oxides of carbon, sulfur, phosphorus, and nitrogen							
<b>Conditions to Avoid:</b> None							
<b>SECTION 6 - HEALTH HAZARD DATA</b>							
<b>Threshold Limit Value and Sources:</b> 5.0/mg/m <sup>3</sup> for oil mist. OSHA & ACGIH.							
<b>Acute Effects of Overexposure:</b>							
<b>Ingestion:</b>	Nausea and Diarrhea.						
<b>Eye Contact:</b>	Irritation and redness to eyes						
<b>Skin Contact:</b>	Prolonged and repeated contact with the skin can cause irritation and redness to skin.						
<b>Inhalation:</b>	Vapors can be given off under high heat conditions excessive breathing of vapors can cause irritation of the respiratory tract.						
<b>CHRONIC EFFECTS OF OVEREXPOSURE:</b> None currently known							
<b>Emergency and First Aid Procedures:</b>							
<b>Swallowing:</b>	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.						
<b>Skin:</b>	Wash skin thoroughly with soap and water. Launder contaminated clothing.						
<b>Inhalation:</b>	Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately.						
<b>Eyes:</b>	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately						
<b>SECTION 7 – SPILL OR LEAK PROCEDURES</b>							
<b>Environmental Impact:</b> 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.							
<b>Procedures To Be Taken If Material Is Released or Spilled:</b> Immediately absorb spilled material with absorbent clay, diatomaceous earth or other suitable material. Keep out of sewers and waterways.							
<b>Waste Disposal Method:</b> 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.							
<b>SECTION 8 – SPECIAL PROTECTION INFORMATION</b>							
<b>Respiratory Protection:</b>	None required under ordinary conditions of use.						
<b>Ventilation:</b>	No special requirement under ordinary conditions of use and with adequate ventilation.						
<b>Eye Protection:</b>	Goggles of face shield.						
<b>Protective Clothing:</b>	Oil resistant gloves.						

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<b>SECTION 9 – SPECIAL PRECAUTIONS</b>		
<b>Precautions To Be Taken In Handling and Storage:</b> Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use.		
<b>Special Comments:</b> Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water after handling. Keep away from food and feed products		
<b>SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA</b>		
<b>HMIS &amp; NFPA Ratings:    Health = 1            Fire = 1            Reactivity = 0</b>		
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.		
SARA Title III Information: This product contains <1% Zinc Dialkyldithiophosphate CAS#68649-42-3		

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