

# MATERIAL SAFETY DATA SHEET

<b>Manufacturer:</b> Schaeffer Mfg. Company		<b>Emergency Response Number:</b> 314-865-4105 (24-hour emergency number) or 800-325-9962				
<b>Address:</b> 102 Barton Street						
<b>Address:</b> St. Louis, MO 63104						
<b>SECTION 1 – PRODUCT INFORMATION</b>						
<b>Chemical Family:</b> Petroleum Hydrocarbons and Additives		<b>Trade Name:</b> #112 HTC OIL SAE 50 - ISO 220				
<b>Formula:</b> Proprietary Mixture.						
<b>SECTION 2 – HAZARDOUS INGREDIENTS</b>						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Zinc Dialkyldithiophosphate	Confidential	0.5 – 0.7		NE		
Molybdenum d(2 Ethylhexyl phosphorodithiolate)	72030-25-2	<1		10		15
Butylated phenols	Confidential	0.01 – 0.07		NE		NE
Aryl phosphate	101-02-0	0.01 – 0.07		NE		NE
Diphenylamine	122-39-4	0.001 – 0.007		10		NE
C1 Solvent 98 Blue Dye	74499-36-8	.05	NE			
Petroleum Base Oil	64742-65-0, 64742-54-7 64742-57-5 64741-88-4	98-99		5		5
<b>Section 3 – PHYSICAL DATA</b>						
<b>Boiling Point:</b>	>600 [A]F/315 [A]C	<b>Specific Gravity:</b>	0.8823			
<b>Vapor Pressure (mm, Hg):</b>	<.1	<b>% Volatile:</b>	NIL			
<b>Vapor Density (Air = 1):</b>	Not Determined	<b>Evaporation Rate: (=1)</b>	Not Determined			
<b>Solubility in Water:</b>	Not Determined	<b>pH:</b>	Not Applicable			
<b>Appearance and Odor:</b> Blue color, petroleum odor.						
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>						
<b>Flash Point (Method) [A]F/[A]C:</b> 485 [A]F/252 [A]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> Dense black smoke.						
<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 OCCUR <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> Smoke, carbon monoxide, carbon dioxide aldehydes and other products of incomplete combustion.						
<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. Seek medical attention immediately. Do not induce vomiting.					
<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 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 or facility in accordance with all applicable federal, state and local laws and regulations.						

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SECTION 8 – SPECIAL PROTECTION INFORMATION	
<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 or face shield.
<b>Protective Clothing:</b>	Oil resistant gloves.

SECTION 9 – SPECIAL PRECAUTIONS	
<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.

SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA			
<b>HMIS &amp; NFPA Ratings:</b>	<b>Health = 1</b>	<b>Fire = 1</b>	<b>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 0.5 – 0.7% Zinc Dialkyldithiophosphate which is listed by the EPA as Zinc and Zinc Compounds			
All of the components in this material are on the US TSCA Inventory. All components are in compliance with the Canadian Environmental Act.			

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