

# MATERIAL SAFETY DATA SHEET

<b>Manufacturer:</b> Schaeffer Mfg. Company		<b>Emergency Response Number:</b>					
<b>Address:</b> 102 Barton Street		314-865-4105 (24-hour emergency					
<b>Address:</b> St. Louis, MO 63104		number) or					
		800-325-9962					
<b>SECTION 1 – PRODUCT INFORMATION</b>							
<b>Chemical Family:</b> Petroleum Hydrocarbons and Additives		<b>Trade Name:</b> #112NZ HTC No Zinc ISO 46					
<b>Formula:</b> Solvent refined severely hydro-finished paraffin base oils. Multi-functional anti-wear, rust and oxidation inhibitor additive package, surfurized oxymolybdenum organophosphorodithiolate.							
<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>	
Petroleum Base Oils	64742-54-7	97-99		5			5
Phosphoric acid esters, amine salts	Proprietary	0.44-0.55		NE			NE
Diphenylamine	122-39-4	<0.01		10			
Butylated phenols	Confidential	<0.22		NE			NE
Molybdenum Di-2-Ethylhexyl Phosphorodithiolate	72030-25-2	<1		10			15
CI Solvent 98 Blue Dye	74499-36-8	.05		NE			NE
<b>Section 3 – PHYSICAL DATA</b>							
<b>Boiling Point:</b>	>600 $\Delta$ F/315.5 $\Delta$ C	<b>Specific Gravity:</b>	.8708				
<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>	Insoluble	<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) <math>\Delta</math>F/<math>\Delta</math>C:</b> 430 $\Delta$ F/221 $\Delta$ 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> 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 a 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.						

<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>	
<p>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.</p> <p>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.</p> <p>This product does not contain greater than 1% of any chemical substance listed under the SARA Title III Section 313, CERCLA's 302/304 and 102(a) Lists.</p> <p>All components in this material are on the US TSCA Inventory. All components in this material are in compliance with the Canadian Environmental Protection Act.</p>	

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