

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company Address: 102 Barton Street Address: St. Louis, MO 63104		Emergency Response Number: 314-865-4105 (24-hour emergency number) or 800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Petroleum Hydrocarbons and Additives		Trade Name: #112NZ HTC No Zinc ISO 32				
Formula: Solvent refined severely hydro-finished paraffin base oils. Multi-functional anti-wear rust and oxidation inhibitor additive package, sulfurized oxymolybdenum organophosphorodithiolate.						
SECTION 2 – HAZARDOUS INGREDIENTS						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	Mg/m ³	ppm	mg/m ³
Petroleum Base Oils	64742-54-7	97-99		5		5
Butylated Phenols	Confidential	<0.22		NE		NE
Diphenylamine	122-39-4	<0.01		10		
Molybdenum Di-2-Ethylhexyl Phosphorodithiolate	72030-25-2	<1		10		15
CI Solvent 98 Blue Dye	74499-36-8	.05		NE		NE
Section 3 – PHYSICAL DATA						
Boiling Point:	>600 [A] F/315.5 [A] C		Specific Gravity:	.8708		
Vapor Pressure (mm, Hg):	<.1		% Volatile:	Nil		
Vapor Density (Air = 1):	Not Determined		Evaporation Rate: (=1)	Not Determined		
Solubility in Water:	Insoluble		pH:	Not Applicable		
Appearance and Odor: Blue color, mild odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) [A] F/[A] C: 420 [A] F/215 [A] 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: Dense black smoke.						
SECTION 5 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE			Hazardous Decomposition [] WILL OCCUR [X] WILL NOT OCCUR			
Conditions to Avoid: High heat, high energy ignition sources						
Incompatibility (Mat. to avoid): Strong oxidants						
Hazardous Decomposition Products: Oxides of carbon, sulfur, phosphorus, and nitrogen						
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:	Nausea and Diarrhea.					
Eye Contact:	Irritation and redness to eyes					
Skin Contact:	Prolonged and repeated contact with the skin can cause irritation and redness to skin.					
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:	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.					
Skin:	Wash skin thoroughly with soap and water. Launder contaminated clothing.					
Inhalation:	Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately.					
Eyes:	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately					
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: Immediately absorb spilled material with absorbent clay, diatomaceous earth or other suitable material. Keep out of sewers and waterways.						
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 a RCRA hazardous waste.						
SECTION 8 – SPECIAL PROTECTION INFORMATION						
Respiratory Protection: None required under ordinary conditions of use.						
Ventilation: No special requirement under ordinary conditions of use and with adequate ventilation.						
Eye Protection: Goggles of face shield.						
Protective Clothing: Oil resistant gloves.						

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. Keep away from food and feed products
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA	
<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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