

# 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 number) 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> #114S Synthetic Plus Natural Gas Engine Oil SAE30				
<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 C1-C14 Alkyldithiophosphate	68649-42-3	.028-.04		NE		NE
Molybdenum Trialkyldithiocarbamate Specific identity withheld (trade secret)		<1		10		15
Heavy Paraffinic petroleum Oils, Mixture of Distillates,(petroleum), hydrotreated heavy paraffinic and Distillates,(petroleum) of solvent dewaxed heavy paraffinic	64742-54-7, 64742-65-0	74-76		5		5
Di-t-butyl-p-cresol	128-37-0	.074-.37		10		10
Polyalphaolefin Synthetic Base Fluids	68037-01-4	12-15		5		5
<b>Section 3 – PHYSICAL DATA</b>						
<b>Boiling Point:</b>	600°F/315.5°C	<b>Specific Gravity:</b>	.8721			
<b>Vapor Pressure (mm, Hg):</b>	<.1	<b>% Volatile:</b>	Not Determined			
<b>Vapor Density (Air = 1):</b>	Not Determined	<b>Evaporation Rate: (=1)</b>	Not Determined			
<b>Solubility in Water:</b>	Negligible	<b>pH:</b>	Not Applicable			
<b>Appearance and Odor:</b> Bleu green color, petroleum odor.						
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>						
<b>Flash Point (Method) °F/°C:</b> 476°F/247°C C.O.C. (ASTM D-892)		<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 <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 oxidizers and reducers.						
<b>Hazardous Decomposition Products:</b> Carbon dioxide, carbon monoxide, sulfur oxides, 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>	Inhalation of vapors given off by high heat may cause irritation to the upper respiratory tract.					
<b>CHRONIC EFFECTS OF OVEREXPOSURE:</b> Prolonged or repeated skin contact may cause skin irritation.						
<b>Emergency and First Aid Procedures:</b>						
<b>Swallowing:</b>	Do not induce vomiting. If conscious give 2 glasses of water. Seek medical attention immediately.					
<b>Skin:</b>	Wash skin thoroughly with soap and water. Launder contaminated clothing, seek medical attention if irritation develops.					
<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. Advise authorities if product has entered courses by diking or impounding.						
<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>	Local exhaust to capture vapor mists if necessary.					
<b>Eye Protection:</b>	Splash goggles or face shield when eye contact may occur.					
<b>Protective Clothing:</b>	Oil resistant or chemical resistant gloves. Chemical resistant apron if needed to avoid contaminating regular clothing.					

<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> Wash skin thoroughly with soap and water after handling. Keep away from food and feed products. Launder contaminated clothing before reuse. Discard clothing and shoes if oil soaked		
<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, 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 toxins or cancer causing agent.		
This product does not contain greater than 1% of any of the chemicals listed on the EPA's SARA Title III Section 302, 304 and 313 lists.		
All components used in the formulation of this product are on the US TSCA Inventory and are in compliance with the Canadian Environmental Protection Act.		

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