

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 (24-hour emergency number) or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Petroleum Hydrocarbons and Additives		Trade Name: #203SW Wind Turbine Oil ISO Grades 220, 320, 460, 680				
Formula: Proprietary Mixture						
SECTION 2 – HAZARDOUS INGREDIENTS						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m ³	ppm	mg/m ³
Mixture of Petroleum Base Oils	64742-62-7 64742-01-4 64741-95-3 64742-52-5	70-75		5		5
Olefin Sulfide	68937-96-2	1.2-1.5		NE		NE
Polyalphaolefin Synthetic Base Fluids	68037-01-4	5-15		5		5
Molybdenum di(2-Ethylhexyl) Phosphorodithioate	72030-25-2	<1		10		15
Section 3 – PHYSICAL DATA						
Boiling Point:	>600°F/300°C	Specific Gravity:	.8867 - .8824			
Vapor Pressure (mm, Hg):	Not Determined	% Volatile:	NIL			
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Determined			
Solubility in Water:	Insoluble	pH:	Not Applicable			
Appearance and Odor: Blue green color, strong odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F/°C: 470° - 510°F/243° - 266°C C.O.C. (ASTM D-92)		Flammability Limits UEL & LEL ----Not Determined				
Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, and earth.						
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	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE	Hazardous Decomposition <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Conditions to Avoid: High heat, high energy ignition sources						
Incompatibility (Mat. to avoid): Strong oxidizers and reducers.						
Hazardous Decomposition Products: Oxides of carbon, sulfur and by products of incomplete combustion.						
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. Tackiness agents in this product may possibly be coagulated by stomach acids.					
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:	Do not induce vomiting. If conscious give 2 glasses of water to drink. 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 or oil dri. Keep out of sewers and waterways. Shovel up and dispose of in approved waste containers.						
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 an 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:	Chemical resistant goggles or 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

HMIS & NFPA Ratings: Health = 1 Fire = 1 Reactivity = 0

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.

This product does not contain any greater than 1% of any of the chemicals listed on the EPA's SARA Title III Section 302/304 and 313 list and CERCLA 12(a)

All of the components in this material are on the US TSCA Inventory List. All of the components of this material are in compliance with the Canadian Environmental Protection Act, the EC Seventh Amendment Directive 921321EEC ..

Transport Information:

US DOT: Not regulated. Not dangerous for transport under the US DOT Regulations

IATA: Not Regulated. Not dangerous for transport under the IATA Regulations

IMDG: Not Regulated Not dangerous for transport under the IMO Regulations

EC Symbols: None

EC Risk Phrase: None

EC Safety Phrase: Not Classified

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers.**