

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company Address: 102 Barton Street Address: St. Louis, MO 63104		Emergency Response Number: 314-865-4105 or 800-325-9962 or 314-966-5681	
SECTION 1 - PRODUCT INFORMATION			
Chemical Family: Petroleum Hydrocarbons and Additives		Trade Name: #225 Moly Tool Joint	
Formula: Solvent refined paraffin base oils, bentone base thickeners, extreme pressure agents, anti-wear agent, rust oxidation inhibitors, molybdenum disulfide			
SECTION 2 - HAZARDOUS INGREDIENTS			
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits
			TVL
			ppm mg/m³
Antimony Dialkylthiocarbamate		1.5	.5
Zinc Dialkylthiophosphate		.43	LD50=2.5-3.9 g/kg
Molybdenum Disulfide		Proprietary to Formulation	15
Section 3 - PHYSICAL DATA			
Boiling Point:	>600°F/315.5°C	Specific Gravity:	.9
Vapor Pressure (mm, Hg):	<.1	% Volatile:	Not Determined
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Determined
Solubility in Water:	Negligible	pH:	Not Applicable
Appearance and Odor: Grey color, slight smell.			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method) °F/°C: Base Oil: 560°F/293°C C.O.C.		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: None expected.			
SECTION 5 - REACTIVITY HAZARD DATA			
STABILITY	☒ STABLE ☐ UNSTABLE	Hazardous Decomposition ☐ WILL ☒ 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, antimony, molybdenum 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:	None expected to be a problem if ingested in small amounts. Tackiness agents in this product can possibly be coagulated by stomach acids.		
Eye Contact:	May cause 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: If ingested in large amounts or repeatedly, damage to cardiovascular system and respiratory tract can occur.			
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. Treat medically for possible abdominal blockage.		
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: Absorb spills with absorbent clay, diatomaceous earth or other suitable material. Keep out of sewers and watercourses.			
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.			
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:	None required.		

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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	
This product contains Zinc Dialkyldithiophosphates, It has been reported that certain Zinc Dialkyldithiophosphates, when applied to the skin of male rabbits over a period of time, adversely affected spermatogenic activity, cell transformation and cell mutations. Though there is no evidence that human exposure to ZDDP will cause similar activity, we recommend that the precautions outlined in the bulletin be followed to minimize contact with this product. This product does not contain any of the chemicals listed as causing cancer in the National Toxicology Program's Annual Reports, The International Agency for Cancer Research's Monographs and OSHA's 1910.10 Subpart Z List.	

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