

MATERIAL SAFETY DATA SHEET

Manufactured For: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Petroleum hydrocarbons and additives		Trade Name: #190 Penetro 90 Bulk				
Formula: Petroleum base penetrating oil, extreme pressure agents, solid lubricants.						
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	64742-53-6	86-88		5.0		5
Antimony Dithiocarbamate	15890-25-2	1.5		.5 (as Sb)		.5
Teflon	9002-84-0	2-4		NE		NE
Heavy Alkylate Petroleum Naphtha	64741-65-7	4-6	100		100	
Section 3 – PHYSICAL DATA						
Boiling Point:	>500°F/260°C	Specific Gravity:			.86	
Vapor Pressure (mm, Hg):	<.1	% Volatile:			20	
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)			Not Determined	
Solubility in Water:	Negligible	pH:			Not Applicable	
Appearance and Odor: Yellow color, sweet smelling.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F° C: 200-230°F/93.33-110.00°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 Currently Known.						
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, reducers						
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide						
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:	If a significant amount is ingested, nausea, diarrhea can occur. Ingestion of product may also result in vomiting					
Eye Contact:	Irritation and redness to eyes					
Skin Contact:	Prolonged and repeated contact with the skin can cause irritation and redness to skin.					
Inhalation:	Any mists or vapors that may be given off can irritate the respiratory tract. If significant amount of vapors or mists are inhaled, headache, dizziness and nausea could occur.					
CHRONIC EFFECTS OF OVEREXPOSURE: None currently known						
Emergency and First Aid Procedures:						
Swallowing:	If a large amount of this material is swallowed give 1-2 oz. of activated charcoal in 2-4 oz. of olive and vegetable oil or give 2 large glasses of water. Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Seek medical attention immediately.					
Skin:	Wash affected area with soap and water. Remove contaminated clothing and laundry.					
Inhalation:	Remove to fresh air. If breathing has stopped, start artificial respiration immediately.					
Eyes:	Flush eyes with clear, cool clean water for 15 minutes while holding the eyelids open. 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.						
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 or face shield.					
Protective Clothing:	None required.					

SECTION 9 – SPECIAL PRECAUTIONS		
Precautions To Be Taken In Handling and Storage: Avoid contact with skin. Avoid inhalation of vapor and mist. Do not store or handle near high heat or strong oxidizers.		
Special Comments: Remove oil soaked clothing and launder before reuse. Wash skin thoroughly with soap and water after handling. Keep away from food and feed products. Do not puncture or incinerate spray cans. Do not spray product around open flame. Contents are under pressure.		
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA		
HMIS & NFPA Ratings: Health = 2 Fire = 2 Reactivity = 0		
Under no circumstances should vomiting be induced. Vomiting can cause aspiration of the product into the lungs. chemical pneumonia may result.		
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.		
This product does not contain any of the chemicals listed on the State of California's Proposition 65 List. SARA Title III Information: This product contains 2-4% antimony dithiocarbamate which is listed as antimony and compounds on the EPA's SARA Title III Section 313 and Cercla 102 (a) lists. The reportable quantity for this product is 24 gals. for stationary sources in the event of a spill in order to release the reportable quantity for antimony and compounds.		
All of the components in this material are on the US TSCA Inventory List and are in compliance with the Canadian Environmental Act		

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