

SUNNEN PRODUCTS PART TCS-24173 is Rose Products #20917100

## MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special -		HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B				
Manufactured For: Rose Products & Services, Inc.		DOT Hazard Classification: Non-Hazardous				
Address: 545 Stimmel Road		Identity: ROSE THERMAL GUARD GREASE				
Address: Columbus, Ohio 43223						
Phone: (614) 443-7647		MSDS Number: RL 735		Revision: E		
Emergency Response Number:		Date Prepared: 04/20/93		Prepared By: ES/DL		
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA						
Information Calls: (404) 422-2071						
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PETROLEUM OIL MIXTURE		8002-05-9	No	5mg/M3 TWA for oil mist	5mg/M3 TWA for oil mist	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: N/A		Specific Gravity (H <sub>2</sub> O=1): 0.8				
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A		Vapor Pressure (Non-Aerosols)/mm Hg and Temperature): <0.01				
Vapor Density (Air = 1): 12		Evaporation Rate ( = 1): N/A				
Solubility in Water: Negligible		Water Reactive: No				
Appearance and Odor: Metallic silver gel, with oil odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME		Auto Ignition Temperature		Flammability Limits in Air by % In Volume:		
PROJECTION TEST (aerosols) N/A		N/A		% LEL: N/D % UEL: N/D		
FLASH POINT AND METHOD USED (non-aerosols): >400°F COC		EXTINGUISHER MEDIA: Dry chemical (preferred), carbon dioxide, foam, water.				
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: Empty containers may retain product residue including flammable or explosive vapors. Do not cut, drill, grind or weld on or near full, part full or empty drum.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
Incompatibility (Mat. to avoid): Chlorine or oxygen.		Conditions to Avoid: Oxidizing atmospheres.				
Hazardous Decomposition Products: Thermal unidentified organics. Oxidation: oxides of carbon.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS:						
Inhalation: Not expected to be a problem. Massive exposure to vapors or fumes may cause headaches, dizziness, and/or drowsiness.						
Eye Contact: May cause irritation.						
Skin Contact: May cause irritation.						
Ingestion: May cause vomiting, nausea, diarrhea.						
CHRONIC EFFECTS: None noted.						
Medical Conditions Generally Aggravated by Exposure: Dermatitis.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Wash with large amounts of water. If irritation persists, call a physician.						
Skin Contact: Remove contaminated clothing. Wash with soap and water.						
Inhalation: Remove to fresh air.						
Ingestion: DO NOT INDUCE VOMITING. Give 3-4 glasses of water. Seek medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None required.						
Protective Gloves: Oil resistant types.						
Eye Protection: Splash goggles or safety glasses.						
Ventilation Requirements: None required in excess to normal ventilation.						
Other Protective Clothing & Equipment: Oil resistant apron.						
Hygienic Work Practices: Do not work in oil soaked clothing. Wash after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken if Material is Spilled Or Released: Stop flow, dike spill, eliminate all ignition sources, absorb on inert material and scrape up.						
Waste Disposal Methods: Dispose of in accordance with local, state and federal regulations.						
Precautions To Be Taken in Handling & Storage: Avoid prolonged exposure to mist and vapors. Avoid flames, sparks and hot surfaces. Keep containers closed. Shelf life one year.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Empty containers may contain explosive gas.						
We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.						
** Chemical Listed as Carcinogen or Potential Carcinogen. (a) NTP (b) IARC Monograph (c) OSHA (d) Not Listed (e) Animal Data Only						