

MATERIAL SAFETY DATA SHEET

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SECTION 1 – PRODUCT INFORMATION

Chemical Family: Chemical Family: Petroleum based lubricating anti-seize and anti-seize compound	Trade Name: Metatron 143
Formula: Proprietary Mixture	

SECTION 2 – HAZARDOUS INGREDIENTS

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	Wt%	Exposure Limits		
			TVL	PEL	Other Limits of Exposure
			mg/m ³	mg/m ³	mg/m ³
Petroleum oil	64742570/64742525	60-100	N/A	Oil mist TWA-5mg/M3	STEL: 10mg/M3
Nonhazardous Blend	1317335/68953582 68411461	20-30	10mg/M3	10mg/M3	UN
Hydrocarbon Propellant (aerosol only)	68476857	15-25	1000 ppm	1000 ppm	UN

SECTION 3 – PHYSICAL DATA

Boiling Range/Point °F (°C):	>700 (371)	Specific Gravity:		Melting Point °F (°C):	None
Vapor Pressure (kPa):	<0.01	% Volatile:	Nil	Autoignition Temperature °F (°C):	>680 (360)
Vapor Density (Air = 1):	>5	Evaporation Rate (Butyl Acetate):	<0.01	Partition Coefficient (Log Pow):	N/A
Solubility in Water:	Nil	pH:	Neutral	Density (g/cm³):	1.06
OAR Value:	5 (aerosol)	Oxidizing Properties:	None		

Appearance and Odor: Semisolid paste, Black Color, Petroleum Odor

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (COC) °F (°C): 560 (293) Propellant Flash Point °F (°C): 76 (-60)	Flammability Limits LEL & UEL: LEL: 0.9% UEL: 7%
Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist.	
Unsuitable Extinguishing Media: Water jet.	
Special Fire Fighting Procedures: Protective Equipment for Fire fighting; Self-contained breathing apparatus.	
Unusual Fire & Explosion Hazards: Not flammable at ambient temperatures (aerosol only).	

SECTION 5 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [] UNSTABLE	Hazardous Decomposition [] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong inorganic & organic acids, oxidizing agents	
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides.	
Conditions to Avoid: Powerful sources of ignition & extreme temps.	

SECTION 6 - HEALTH HAZARD DATA

Threshold Limit Value and Sources:
Acute Effects of Overexposure:
Ingestion: May cause diarrhea.
Eye Contact: May cause irritation.
Skin Contact: Possible rash for persons with persensitivity.
Inhalation: Viscous nature may block breathing passages if inhaled.
CHRONIC EFFECTS OF OVEREXPOSURE:
Emergency and First Aid Procedures:
Ingestion: Wash out mouth immediately. Consult physician.
Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.
Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help.
Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

SECTION 7 – SPILL OR LEAK PROCEDURES

Environmental Impact: Highly unlikely to cause notable contamination. May generate oil fractions that could act as a marine pollutant, but is unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil.
Procedures To Be Taken If Material Is Released or Spilled: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.
Waste Disposal Method: Do not allow it to enter drains. Do not incinerate. Contact waste disposal company or local authority for advice.
Container Disposal: Pails without liner—see Product Disposal section above. Pails with plastic liner—pail may only be disposed of via standard waste disposal services, recycled or reused. Liner—see Product Disposal section above.

SECTION 8 – SPECIAL PROTECTION INFORMATION	
Respiratory Protection:	None needed
Ventilation:	
Eye Protection:	Glasses, if applied to parts in motion.
Protective Clothing:	Wear gloves & protective overalls.
SECTION 9 – SPECIAL PRECAUTIONS	
Precautions To Be Taken In Handling and Storage: No special handling precautions necessary. Do not store at elevated temperatures.	
Special Comments:	
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA	
HMIS & NFPA Ratings Bulk: Health = 1 Fire = 4 Reactivity = 0 PPI=B HMIS & NFPA Ratings Aerosol: Health = 1 Fire = 1 Reactivity = 0 PPI=B	
Acute Toxicity: Not known. Skin Sensitization: Not known. Genotoxicity: None known. California Prop 65: N/A EC Class (67/548/EEC): No LC-50: >2000mg/kg-(extrapolated from component data)	Irritancy–Skin: Very mild. Subacute/Sub-chronic Toxicity: Not known. Chronic Toxicity: None known. Carcinogen: NTP: No IARC: No OSHA: No Allergens: None known. LD-50: N/A
SECTION 11-OTHERS	
TRANSPORT INFORMATION	
Bulk - Not classified as hazardous for transport. UN No.: Aero – 1950 Sea Transport (IMO & IMDG): Aero - UN1950, Class 2.1	D.O.T.: Aero - Consumer Commodity ORM-D Air Transport (ICAO & IATA): Aero - UN1950, Class 2.1 Road & Rail Transport (ADR/RID): Aero - Aerosols, Class 2
REGULATORY INFORMATION	
Labeling Information: None needed R Phrases: R22—harmful if swallowed. Ozone Depleting Chemicals: Not applicable. WHMIS (Canada): Not regulated. SARA 311/312: None 40 CFR Part 372 (SARA Section 313): N/A RCRA Hazard Class: Nonhazardous	EC Annex 1 Classification: Not Applicable. S Phrases: None applicable, as known. TSCA: All components are listed. Canadian DSL: All components listed. TSCA 12B Components: None CERCLA: Nonhazardous
OTHER INFORMATION	
SDS first issued. SDS data revised. New Jersey Right To Know: See Section II	

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