

MATERIAL SAFETY DATA SHEET

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SECTION 1 – PRODUCT INFORMATION

Chemical Family: Anti-seize (MIL-PRF-907E) and lubricant. **Trade Name:** Metatron 98

Formula: Proprietary Mixture

SECTION 2 – HAZARDOUS INGREDIENTS

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	Wt%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m ³	ppm	mg/m ³
Nonhazardous Blend	1317335/82980549 1317653/1314132 7782425	40-60	UN	UN	UN	UN
Nonflammable Solvents & Propellant (aerosol only)	156605/163702087 811972	40-60	UN	UN	UN	UN

SECTION 3 – PHYSICAL DATA

Boiling Point:	<600°F (316)°C	Specific Gravity:		Melting Point °F (°C):	>450 (232)
Vapor Pressure (kPa):	<0.01	% Volatile:	Nil	Autoignition Temperature °F (°C):	>500 (260)
Vapor Density (Air = 1):	>4.8	Evaporation Rate (Butyl Acetate):	<0.01	Partition Coefficient (Log Pow):	N/A
Solubility in Water:	Slight	pH:	Neutral	Density (g/cm³):	1.19
OAR Value:	N/A	Oxidizing Properties:	None		

Appearance and Odor: Semisolid paste, Steel Blue Color, Slight Odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (COC) °F (°C): 430°F (221°C) **Flammability Limits UEL & LEL :** 7% & 0.9%

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 temperature.

SECTION 5 - REACTIVITY HAZARD DATA

STABILITY STABLE UNSTABLE **Hazardous Decomposition** WILL WILL NOT OCCUR

Incompatibility (Mat. to avoid): Strong inorganic & organic acids, oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and sulfur. Burning aerosol could result in halogenated by-products. Residue mainly comprised of soot & mineral oxides.

Conditions to Avoid: Powerful sources of ignition and extreme temperatures.

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: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

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 widespread contamination. Nontoxic to marine or land organisms. **Possible Effects:** In extreme cases, may generate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly 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: No special requirement under ordinary conditions of use and with adequate ventilation

Eye Protection: Glasses, if applied to parts in motion.

Protective Clothing: Wear gloves & protective overalls. Protective gloves for hypersensitive persons.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage: No special handling precautions necessary. Do not store at elevated temperatures.

SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA

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

Acute Toxicity: Not known.

Skin Sensitization: Not known.

Subacute/Sub-chronic Toxicity: Not known.

Carcinogen: NTP: No

OSHA: No

EC Class (67/548/EEC): No

LD-50: N/A **Allergens:** None known.

Irritancy–Skin: Very mild.

Genotoxicity: None known.

Chronic Toxicity: None known.

IARC: No

California Prop 65: N/A

LC-50: >2000mg/l-extrapolated from component data.

SECTION 11- TRANSPORT, REGULATORY INFORMATION**TRANSPORT INFORMATION**

DOT: Consumer Commodity ORM-D

UN No.: Bulk N/A Aero 1950, Class 2.2

Air Transport (ICAO & IATA): Bulk N/A Aero Hazardous-pressurized container

Sea Transport (IMO & IMDG): Bulk N/A Aero 1950, Class 2.2

Road & Rail Transport (ADR/RID): Bulk N/A Aero Class 2.2, Aerosols

REGULATORY INFORMATION

Labeling Information: None needed

R Phrases: R22—harmful if swallowed.

Ozone Depleting Chemicals: Not applicable.

WHMIS (Canada): Bulk Not controlled. Aero Class A, B-5

40 CFR Part 372 (SARA 313): N/A

RCRA Hazard Class: Nonhazardous

TSCA 12B Components: None

EC Annex 1 Classification: Not Applicable.

S Phrases: None applicable, as known.

TSCA: All components are listed.

Canadian DSL: All components listed.

CERCLA: Nonhazardous

SARA 311/312: None

OTHER INFORMATION

SDS first issued. SDS data revised. New Jersey Right To Know: **See Section II**

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