

MATERIAL SAFETY DATA SHEET

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SECTION 1 – PRODUCT INFORMATION

Chemical Family: Polyethylene Glycol	Trade Name: Metatron 40 High Temperature Grease
Formula: Proprietary Mixture	

SECTION 2 – HAZARDOUS INGREDIENTS

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m ³	ppm	mg/m ³
Molybdenum Disulfide	1317-33-5	5-7		10		15
Graphite	7782-42-5	5-7		10		15 MPPCF
Tricrysel Phosphate	1330-78-5	1	NE	NE	NE	NE
Polyethylene Glycol	25322-68-3	80-85		NE		NE
Colloidal Silica	67762-90-7	3-5		10		20 MPPCF
Molybdenum Disulfide	1317-33-5	5-7		10		15

Section 3 – PHYSICAL DATA

Boiling Point:	>400° F/204.4° C	Specific Gravity:	1.01
Vapor Pressure (mm, Hg):	<.0001	% Volatile:	Not Determined
Vapor Density (Air = 1):	>1	Evaporation Rate: (=1)	Not Determined
Solubility in Water:	Insoluble	pH:	Not Determined
Appearance and Odor: Black color, mild odor.			

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method) °F/°C: 450°F/232°C C.O.C.	Flammability Limits UEL & LEL ----Not Determined
Extinguishing Media: All purpose foam, carbon dioxide foam, dry chemical foam	
Special Fire Fighting Procedures: : Do not direct a solid stream of water or foam into hot burning pools. This may cause problems and increase fire intensity. Use self contained breathing apparatus and protective clothing.	
Unusual Fire & Explosion Hazards: None expected.	

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: None Known.	
Incompatibility (Mat. to avoid): Strong bases at high temperatures, strong acids, strong oxidizing agents and material residues with hydroxyl compounds.	
Hazardous Decomposition Products: Oxides of carbon.	
Conditions to Avoid: None	

SECTION 6 - HEALTH HAZARD DATA

Threshold Limit Value and Sources: None established by OSHA & ACGIH.	
Acute Effects of Overexposure:	
Ingestion:	Nausea and Diarrhea.
Eye Contact:	Slight Irritation and redness to eyes
Skin Contact:	Prolonged and repeated contact could result in skin dehydration.
Inhalation:	Breathing of vapors generated at high temperatures may result in eye and respiratory tract irritation, dizziness and nausea.
CHRONIC EFFECTS OF OVEREXPOSURE: None currently known	
Emergency and First Aid Procedures:	
Swallowing:	Give 2 glasses of water to drink. Do not induce vomiting. Seek medical attention immediately.
Skin:	Wash skin thoroughly with soap and water. Launder contaminated clothing.
Inhalation:	Remove victim to fresh air.
Eyes:	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately.

SECTION 7 – SPILL OR LEAK PROCEDURES

Environmental Impact: At very low concentrations in water this product is biodegradable in a biological waste water treatment plant.
Procedures To Be Taken If Material Is Released or Spilled: : Small spills can be flushed with a large amount of water. Larger spills should be absorbed with absorbent material and collected for deposit.
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:	PVC – Coated gloves.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage: Use product promptly after opening. Keep containers closed when not in use. Avoid prolonged exposure to heat and air.

Special Comments: Wash skin thoroughly with soap and water after handling.

SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA

This product may contain trace amounts of ethylene oxide (CAS#75-21-8) a condition which creates the potential for accumulation of ethylene oxide in the head space of shipping and storage containers and in enclosed areas where the product is being handled or used. Ethylene oxide is considered by OSHA, IRAC and National Toxicology Program's Annual Reports as a potential carcinogen for humans. OSHA considers that at excess levels ethylene oxide may present reproductive, mutagenic, geotoxics, neurologic and sensitization hazards in humans. If this product is handled with adequate ventilation, the presence of these trace amounts is not expected to result in any short or long term hazards. This product may not be exempt from OSHA's ethylene oxide standard. Personnel should be monitored to determine levels of exposure to ethylene oxide. The OSHA PEL limit for ethylene oxide is 1 ppm 8 hour time weighted average and OSHA has stated an excursion limit of 5 ppm (15 minute average).

All of the components of this material are on the US TSCA Inventory List and are in compliance with the Canadian Environment Act.

SARA Title III Information.

CERCLA requires notification of the National Response Center for release of quantities of hazardous substances equal to or greater than the reportable quantities in 40CFR302.4 components present in this product at levels which could require reporting under the statute are as follows:

Chemical	CAS#	%	RQ (lbs.)
Ethylene Oxide	75-21-8	.0005	20,249.06

This product contains the following trace levels of chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm

Chemical	CAS#	%
Acetaldehyde	75-07-0	.0006
Ethylene Oxide	75-21-8	.0005
Formaldehyde	50-00-0	.0004

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