

MATERIAL SAFETY DATA SHEET

PRO-MA MBL GREASE

COMPANY DETAILS:

PRO-MA SYSTEMS (CANADA) INC
#120, 6330-12 St. SE
CALGARY, AB T2H 2X2
TELEPHONE (403) 258-2115 FAX (403) 252-3161

EMERGENCY TELEPHONE:

1-613-996-6666
Use in case of chemical emergency only.

HAZARDOUS SUBSTANCES CLASSIFICATION

This product is classified as Non-Hazardous according to the criteria of WHMIS

IDENTIFICATION

PRO-MA Performance MBL Grease, Metal Based Lubricant	Product Code 88,009
UN Number: None Allocated	
Dangerous Goods Class: None Allocated	Subsidiary Risk: None Allocated
Hazchem Code: None Allocated	Poisons Schedule No: None Allocated
Packaging Group: None Allocated	Pack Size: 450 gm, 20kg, 60 kg, 202 kg

USE

Multi-Purpose Metal Based Lithium Complex Grease. NLGI 2 rating. Operating range -40^o C to 280^o+C.

PHYSICAL DESCRIPTION/PROPERTIES

Dark colored buttery compound with a petroleum grease odour.

Boiling Point	371 ^o C	Specific Gravity: Water = 1	1.36@ 15.5 ^o C
Vapour Pressure:	Non-Volatile	Flash Point: Open Cup:	204 ^o C
Vapour Density:	Non-Volatile	Flammable Limits:	No data available
Solubility in water:	Insoluble		

OTHER PROPERTIES

Shock Sensitivity:	Not relevant	Corrosiveness:	Not relevant
Oxidizing Properties	Incompatible with strong oxidizing acids.		
Reactivity:	Stable. Hazardous polymerization will not occur. Thermal decomposition in the presence of air may yield carbon monoxide and metallic oxides.		
Evaporative Rate:	Non-volatile	pH:	Not relevant
Solubility:	Soluble in gasoline, and similar organic solvents.		
Percent volatiles:	Non-Volatile	Bulk Density:	1.36 Specific Gravity @ 15.5 ^o C

INGREDIENTS

CHEMICAL ENTITY Solvent - An E.P. Grease Base, proprietary additives, copper and lead powders.

PROPORTION:	Solvent < 60 %	Additives < 30 %
Base Metal	Copper, Lead	

HEALTH HAZARD INFORMATION

U.S.A. ACGIH (for metals only) 0.2 mg/M³ air.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ACUTE: Dizziness, muscle weakness, abdominal pain.

EYES: Treat as for oil contamination.

SKIN: Wash contaminated surfaces with soap and water.

SWALLOWING: DO NOT INDUCE VOMITING. Seek immediate medical advice / or attention.

ADVICE TO DOCTOR: Contains copper and lead powder and petroleum base stock. Show this MSDS to Doctor.

PRO-MA PERFORMANCE MBL GREASE M.S.D.S.**PRECAUTIONS FOR USE****Exposure Standards**

THRESHOLD LIMIT VALUE: U.S.A. ACGIH TLV 0.2 mg / M³ air as airborne particles. Exposure limits not known.

Engineering Controls

Use in a well ventilated area, and ensure ventilation is adequate to maintain concentration below exposure standards.

Personal Protection

Use in a well ventilated area, and ensure ventilation is adequate to maintain concentration below exposure standards.

RESPIRATOR: The use of a respirator depends on vapor concentration above the time-weighted TLV. Use half-face filter respirator suitable for organic vapors.

PROTECTIVE GLOVES: The use of PVC gloves is advised to prevent skin irritation in sensitive individuals.

EYE PROTECTION: Use safety glasses or face shield to safeguard against potential eye contact.

Flammability

FIRE HAZARDS: Keep away from flames, and material heated above 204°C.

VENTILATION: Provide sufficient local exhaust, or mechanical ventilation to maintain exposure below TLV's.

HAZCHEM CODE: None Allocated

SAFE HANDLING INFORMATION

LOCATION: Store under cover and away from sunlight.

STORAGE INCOMPATIBILITIES: Store away from strong oxidizing acids.

STORAGE AND HANDLING: Keep container cool, dry and away from sources of ignition. Should product splash on a person, remove saturated clothing, and wash contaminated area. Launder clothing before re-use.

VENTILATION: Provide sufficient mechanical and / or local ventilation to maintain below TLV's

CONTAINERS / PACKAGES: Containers are PVC or metal drums.

DANGEROUS GOODS CLASSIFICATION: This product is not classified as Dangerous Goods under the Australian Code for the transportation of Dangerous Goods by Road and Rail.

SPILLS AND DISPOSAL

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean up spills as soon as possible. Use absorbent materials for small spills. Place contaminated material in disposable containers, and bury in an approved dumping area.

WASTE DISPOSAL METHOD: Dispose of product in accordance with local Council, State and Federal Regulations.

FIRE/EXPLOSION HAZARD

FIRE HAZARDS: Keep away from flames, and material heated above 204°C. Hazardous polymerization will not occur. Thermal decomposition in the presence of air may yield carbon monoxide and metallic oxides

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

REACTIVITY HAZARD - Avoid strong oxidizing acids.

FIRE FIGHTING RECOMMENDATIONS - EXTINGUISHING MEDIA: Foam, CO₂, or dry chemical.

Water may be unsuitable as an extinguishing media as it can cause dangerous frothing and endanger the lives of fire fighters. However it is helpful in keeping adjacent containers cool. May produce toxic fumes of Carbon Monoxide and Metallic Oxides if burned in a confined space.

PROTECTIVE CLOTHING: Self-contained breathing apparatus is recommended for fire fighters in an enclosed or confined space.

OTHER INFORMATION

TOXICITY: May produce toxic fumes of Carbon Monoxide and Metallic Oxides if burned in a confined space.

CARCINOGENIC: Does not contain any ingredients or combustion residues currently known to be carcinogenic.

BIODEGRADABILITY: Not biodegradable. Can be broken down by detergents and surfactants used for petroleum product spills.

THESE MATERIAL SAFETY DATA SHEETS MEET THE REQUIRED WHMIS STANDARDS ACCORDING TO CONTROL PRODUCT REGULATIONS SCHEDULE SOR/88-66