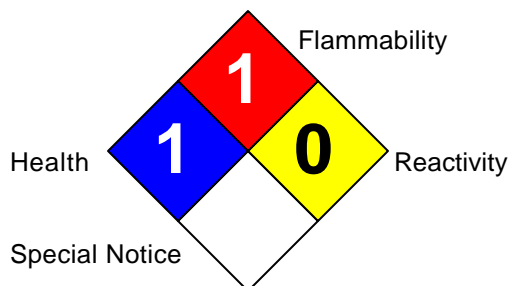


## Material Safety Data Sheet

### HMIS

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>E</b>

### NFPA



### Section I – Product and Company Identification

<b>Product Name/ Trade Name</b>	<b>MPG General Purpose Grease</b>		
<b>Manufacturer</b>	Cummings & Moore	<b>Emergency Phone</b>	1-800-255-3924
		<b>Information Phone</b>	1-908-537-2155
	Detroit, MI	<b>Date Prepared</b>	4/4/01
		<b>Preparer (optional)</b>	LRM

### Section II – Hazard Ingredients/Identity Information

Hazardous Components	CAS Number	OSHA PEL	ACGIH TLV-STEL	ACGIH TLV-TWA	% (optional)
Distillates (petroleum),hydrotreated heavy paraffinic	64742-54-7	5 mg/m <sup>3</sup> *	10 mg/m <sup>3</sup> *	5 mg/m <sup>3</sup> *	
Molybdenum, insoluble compounds (as Mo)	1317-33-5	15 mg/m <sup>3</sup> +	n/e	10 mg/m <sup>3</sup> +	

+ total dust \* oil mist n/e not established

### Section III – Physical / Chemical Characteristics

<b>Boiling Point</b>	Not determined	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	~0.90
<b>Vapor Pressure (mm Hg)</b>	< 1 mm Hg @ 20°C	<b>Melting Point</b>	Not applicable
<b>Vapor Density (Air = 1)</b>	> 5	<b>Evaporation Rate (Butyl Acetate = 1)</b>	< 0.01
<b>Solubility in Water</b>	Negligible	<b>Appearance and Odor</b>	Yellow color; mild petroleum odor.
<b>pH</b>	n/a		

### Section IV – Fire and Explosion Hazard Data

<b>Flash Point (of base oil) (Method Used)</b>	475°F (246 °C) (COC)	<b>Flammable Limits: LEL =</b>	Not determined
		<b>UEL=</b>	Not determined
<b>Extinguishing Media</b>	Foam, dry chemical, carbon dioxide, water spray.		
<b>Special Fire Fighting Procedures</b>	Use air-supplied breathing equipment for enclosed areas.		
<b>Unusual Fire and Explosion Hazards</b>	None indicated		

## Section V – Reactivity Data

<b>Stability</b>	Stable
<b>Conditions to Avoid</b>	Heat, open flames
<b>Incompatibility (<i>Materials to Avoid</i>)</b>	Avoid contact with strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypochlorite, etc.
<b>Hazardous Decomposition or Byproducts</b>	Fumes, smoke, oxides of carbon, sulfur, nitrogen, molybdenum
<b>Hazardous Polymerization</b>	Will not occur

## Section VI – Health Hazard Data

Route(s) of Entry: Inhalation?	X	Skin?	X	Ingestion?	X		
Carcinogenicity:	No	NTP?	No	IARC Monographs?	No	OSHA Regulated?	No
Health Hazards (Acute and Chronic)	<b>Eyes:</b> Product contacting the eyes may cause eye irritation <b>Skin:</b> Prolonged and/or repeated contact tends to remove skin oils, possibly leading to irritation and dermatitis <b>Ingestion:</b> Do not induce vomiting. Small amounts aspirated into lungs during ingestion or vomiting may cause mild to severe pulmonary injury. <b>Inhalation:</b> Not expected to be a route of exposure due to low volatility of product. At elevated temperatures vapors or mists may be produced.						
Signs and Symptoms of Exposure	Prolonged and/or repeated contact may cause skin irritation						
Medical Conditions Generally Aggravated by Exposure	No specific information available.						
Emergency and First Aid Procedures	<b>Skin:</b> Remove any contaminated clothing. Wash thoroughly for 15 minutes with soap and water. If irritation occurs, get medical attention. <b>Eyes:</b> Immediately flush with plenty of water for 15 minutes or until subsides. If irritation persists, get medical attention. <b>Ingestion:</b> Do Not induce vomiting. Get medical attention. <b>Inhalation:</b> Vapor pressure is very low. Vapor inhalation under ambient conditions is improbable under normal conditions. If overcome by vapor for hot product, immediately remove from exposure to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing, give oxygen. Get medical attention.						

## Section VII – Precautions for Safe Handling and Use

<b>Steps to Be Taken in Case Material is Released or Spilled</b>	Recover free product. Contain any spill to prevent entry to sewers or streams. Add sand, earth or suitable absorbent to spill area. Transfer to closed container.
<b>Waste Disposal Method</b>	Not classified as a hazardous waste under RCRA. Dispose of in accordance with all applicable local, state, and federal regulations. Use licensed waste oil disposal contractor, remove to regulated landfill or incinerate in an approved facility.
<b>Precautions to Be Taken in Handling and Storing</b>	Store in closed containers away from heat or open flames. Do not store with oxidizing agents.
<b>Other Precautions</b>	Not regulated under DOT, IMO, or ICAO regulations.

## Section VIII – Control Measures

<b>Respiratory Protection (Specify Type)</b>	None under normal conditions. NIOSH-approved supplied-air respirator when exposed to mists or vapor from heated material.		
<b>Ventilation:</b>	Mechanical (general) is satisfactory. Provide ventilation sufficient to prevent recommended exposure limit.		
<b>Protective Gloves</b>	Oil impervious gloves, if needed to avoid prolonged or repeated skin contact.	<b>Eye Protection</b>	Splash goggles or face shield when eye contact may occur
<b>Other Protective Clothing or Equipment</b>	Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing or repeated skin contact.		
<b>Work/Hygienic Practices</b>	Avoid contact with skin and eyes. Wash thoroughly after handling.		