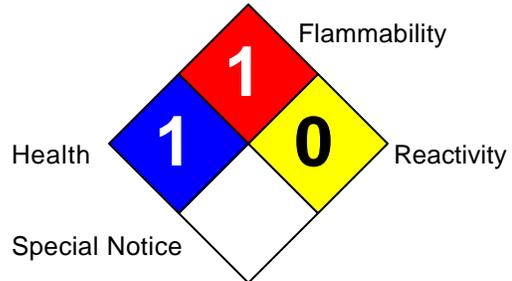


Material Safety Data Sheet

HMIS

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	E

NFPA



Section I – Product and Company Identification

Product Name/Trade Name HY HEET GREASE	
Manufacturer Cummings & Moore Detroit, MI	Emergency Phone 1-800-255-3924
	Information Phone 1-908-537-2155
	Date Prepared 4/4/01
	Preparer (optional) 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 ³ *	10 mg/m ³ *	5 mg/m ³ *	
Graphite	7782-42-5	n/e	n/e	n/e	

+ total dust * oil mist n/e not established

Section III – Physical / Chemical Characteristics

Boiling Point	Not determined	Specific Gravity (H₂O = 1)	~0.90
Vapor Pressure (mm Hg)	< 1 mm Hg @ 20°C	Melting Point	Not applicable
Vapor Density (Air = 1)	> 5	Evaporation Rate (Butyl Acetate = 1)	< 0.01
Solubility in Water	Negligible	Appearance and Odor	Black color; mild odor.
pH	n/a		

Section IV – Fire and Explosion Hazard Data

Flash Point (of base oil) (Method Used)	500°F (260°C) (COC)	Flammable Limits: LEL = Not determined UEL= Not determined
Extinguishing Media	Foam, dry chemical, carbon dioxide, water spray.	
Special Fire Fighting Procedures	Use air-supplied breathing equipment for enclosed areas.	
Unusual Fire and Explosion Hazards	None indicated	

Section V – Reactivity Data

Stability	Stable
Conditions to Avoid	Heat, open flames
Incompatibility (<i>Materials to Avoid</i>)	Avoid contact with strong oxidizing agents such as liquid chlorine, concentrated oxygen
Hazardous Decomposition or Byproducts	Fumes, smoke, oxides of carbon, sulfur, nitrogen, molybdenum
Hazardous Polymerization	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 (<i>Acute and Chronic</i>)	<p>Eyes: Product contacting the eyes may cause eye irritation</p> <p>Skin: Prolonged and/or repeated contact tends to remove skin oils, possibly leading to irritation and dermatitis</p> <p>Ingestion: Do not induce vomiting. Small amounts aspirated into lungs during ingestion or vomiting may cause mild to severe pulmonary injury.</p> <p>Inhalation: Not expected to be a route of exposure due to low volatility of product. At elevated temperatures vapors or mists may be produced.</p>				
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	<p>Skin: Remove any contaminated clothing. Wash thoroughly for 15 minutes with soap and water. If irritation occurs, get medical attention.</p> <p>Eyes: Immediately flush with plenty of water for 15 minutes or until subsides. If irritation persists, get medical attention.</p> <p>Ingestion: Do Not induce vomiting. Get medical attention.</p> <p>Inhalation: 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.</p>				

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	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.
Waste Disposal Method	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.
Precautions to Be Taken in Handling and Storing	Store in closed containers away from heat or open flames. Do not store with oxidizing agents.
Other Precautions	Not regulated under DOT, IMO, or ICAO regulations.

Section VIII – Control Measures

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