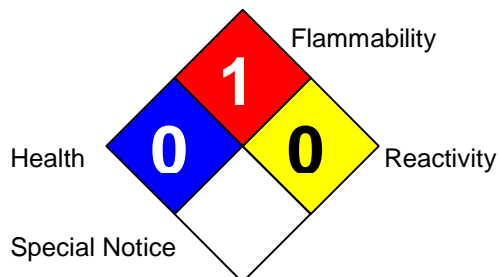


## Material Safety Data Sheet

### HMIS

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

### NFPA



### Section I – Product and Company Identification

<b>Product Name/ Trade Name</b> <b>677 Graphite Grease</b>	
<b>Manufacturer</b> Cummings-Moore Graphite Co. 1646 N. Green Ave. Detroit, MI 48209	<b>Emergency Phone</b> 1-800-255-3924
	<b>Information Phone</b> 1-908-537-2155
	<b>Date Prepared</b> 6/1/11
	<b>Preparer (optional)</b> LRM

### Section II – Hazard Ingredients/Identity Information

Hazardous Components	CAS Number	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Distillates (petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	n/a	
Calcium Stearate	1592-23-0	---	10 mg/m <sup>3</sup>	n/a	
Graphite	7782-42-5	15 mppcf	2.0 mg/m <sup>3</sup>	n/a	

### Section III – Physical / Chemical Characteristics

<b>Boiling Point</b> 700°F (371°C)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> 0.90 at 16°C
<b>Vapor Pressure (mm Hg)</b> n/a	<b>Melting Point</b> 210°F (99°C)
<b>Vapor Density (Air = 1)</b> n/a	<b>Evaporation Rate (Butyl Acetate = 1)</b> n/a
<b>Solubility in Water</b> Not Soluble	<b>Appearance and Odor</b> Grey-black, bland petroleum odor

### Section IV – Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b> 330°F (165°C) (D-92)	<b>Flammable Limits:</b> LEL = n/a UEL= n/a
<b>Extinguishing Media</b> Water-fog, CO <sub>2</sub> , Dry chemicals, Foam, Earth and Sand	
<b>Special Fire Fighting Procedures</b> Water may cause frothing	
<b>Unusual Fire and Explosion Hazards</b> None	

## Section V – Reactivity Data

<b>Stability</b>	Stable
<b>Conditions to Avoid</b>	Open flame
<b>Incompatibility (Materials to Avoid)</b>	Strong oxidizers
<b>Hazardous Decomposition or Byproducts</b>	CO & CO <sub>2</sub> if combustion is incomplete
<b>Hazardous Polymerization</b>	Will not occur

## Section VI – Health Hazard Data

<b>Route(s) of Entry: Inhalation?</b>	Yes	<b>Skin?</b>	Yes	<b>Ingestion?</b>	Yes
<b>Carcinogenicity: NTP?</b>	No	<b>IARC Monographs?</b>	No	<b>OSHA Regulated?</b>	No
<b>Health Hazards (Acute and Chronic)</b>	<b>Skin Contact:</b> May cause mild transient irritation. <b>Eye Contact:</b> May cause mild transient irritation. <b>Ingestion:</b> May be harmful if swallowed. <b>Inhalation:</b> Not expected to be a route of exposure due to low volatility of product. At elevated temperatures, irritating vapors or mists may be produced.				
<b>Signs and Symptoms of Exposure</b>	Irritation as above.				
<b>Medical Conditions Generally Aggravated by Exposure</b>	Existing skin and eye disorders.				
<b>Emergency and First Aid Procedures</b>	<b>Skin Contact:</b> Remove contaminated clothing. Wash with soap and water. Launder contaminated clothing before reuse. <b>Eye Contact:</b> Flush with plenty of water for at least 15 minutes. <b>Ingestion:</b> Seek medical attention immediately. <b>Inhalation:</b> Immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available.				

## Section VII – Precautions for Safe Handling and Use

<b>Steps to Be Taken in Case Material is Released or Spilled</b>	Absorb with sand or inert material. Sweep or scoop up and remove
<b>Waste Disposal Method</b>	All disposals must comply with Federal, State and Local Regulations
<b>Precautions to Be Taken in Handling and Storing</b>	Avoid open flame, store away from strong oxidizers.
<b>Other Precautions</b>	None known

## Section VIII – Control Measures

<b>Respiratory Protection (Specify Type)</b>	If vapor concentration exceeds TLV, use a respirator approved by NIOSH in a positive pressure mode.		
<b>Ventilation:</b>	Use local exhaust to maintain exposure limits below thresholds.		
<b>Protective Gloves</b>	Oil impervious gloves, if needed to avoid prolonged or repeated skin contact.	<b>Eye Protection</b>	Safety glasses with side shields. Goggles or face shield when splashing is likely.
<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.		