

## Graphite Lubricant #2

Revision Date December 1, 2016

### 1. Product and Company Identification

<b>Product Information</b>	
Trade Name	Graphite Lubricant #2
Product Description	Graphite grease
Recommended Uses	Lubricant
<b>Company</b>	
Cummings-Moore Graphite Co. (a division of Asbury Carbons, Inc.) 1646 N.Green Ave. Detroit, MI 48209	
<b>Emergency Telephone</b>	
US: 1-800-255-3924; International: +01-813-248-0585; China: 400-120-0751; Brazil: 0-800-591-6042; India: 000-800-100-4086; Mexico: 01-800-099-0731 ChemTel contract number: MIS0001931 (collect calls accepted)	
Information Phone	1-908-537-2155
Website	www.asbury.com

### 2. Hazards Identification

<b>Classification</b>	Not a hazardous substance
<b>Labeling</b>	No label elements are required

### 3. Composition / Information on Ingredients

Components	CAS No.	Weight %	Hazard Code(s)
Distillates (petroleum)	Proprietary	80 - 90%	--
Graphite	7782-42-5	10 - 20%	--

### 4. First Aid Measures

<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.
<b>Skin Contact</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.
<b>Eye contact</b>	Flush thoroughly with water for 15 minutes. If irritation occurs, get medical assistance.
<b>Ingestion</b>	If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
<b>Symptoms / effects (acute and delayed)</b>	Defatting of the skin.

### 5. Fire Fighting Measures

<b>Suitable extinguishing media</b>	Use dry chemical, carbon dioxide, or chemical foam. Use agent most appropriate to extinguish surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Products of Combustion</b>	Smoke, fume, incomplete combustion products, carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO).
<b>Protective equipment for firefighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
<b>NFP Rating</b>	110

## 6. Accidental Release Measures

<b>Personal precautions</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Environmental precautions</b>	Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.
<b>Methods for cleaning up</b>	Contain spillage, and then collect with non-combustible absorbent material. Place in suitable closed containers for disposal.

## 7. Handling and Storage

<b>Precautions for safe handling</b>	Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before reuse.
<b>Storage precautions</b>	Store in a cool, dry place. Keep container closed when not in use.

## 8. Exposure Controls/ Personal Protection

Ingredients with control parameters / occupational exposure limits			
Component	CAS No.	TWA	Control Reference
Distillates (petroleum)	proprietary	5 mg/m <sup>3</sup>	Inhalable mist, ACGIH
Graphite	7782-42-5	2.0 mg/m <sup>3</sup>	Respirable dust, ACGIH
<b>Engineering controls</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.		
<b>Respiratory Protection</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.		
<b>Eye Protection</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.		
<b>Skin Protection</b>	Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.		
<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.		

## 9. Physical and Chemical Properties

<b>Appearance</b>	Black grease	<b>Lower explosion limit</b>	Not available
<b>Odor</b>	Mild petroleum	<b>Upper explosion limit</b>	Not available
<b>pH</b>	Not applicable	<b>Vapor pressure</b>	Not available
<b>Freezing point</b>	No data	<b>Vapor density</b>	Not available
<b>Boiling point</b>	No data	<b>Water solubility</b>	No data
<b>Flash point</b>	> 300 °F (> 149 °C) Cleveland Closed cup	<b>Partition coefficient: n-octanol/water</b>	Not established
<b>Evaporation rate</b>	Not available	<b>Autoignition temperature</b>	No data
<b>Specific gravity</b>	1.12 g/ml	<b>% volatile</b>	No data

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under normal conditions of use.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
<b>Materials to avoid</b>	Strong oxidizers
<b>Hazardous decomposition products</b>	Not expected during normal storage.

## 11. Toxicological Information

<b>Acute oral toxicity</b>	Not classified. May cause gastrointestinal discomfort if swallowed.
<b>Acute inhalation toxicity</b>	Not classified. May cause respiratory tract irritation.
<b>Acute dermal toxicity</b>	Not classified. May cause skin irritation.
<b>Skin corrosion/irritation</b>	Not classified. May be irritating to the skin.
<b>Eye damage/irritation</b>	Not classified. May cause minor irritation on eye contact.
<b>Respiratory or skin sensitization</b>	Not classified.
<b>Mutagenicity</b>	No indication that product or any components are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not classified.
<b>Reproductive toxicity</b>	Contains no ingredient listed as toxic to reproduction.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	Prolonged inhalation of mist may be harmful.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Biodegradation</b>	Not inherently biodegradable.
<b>Bioaccumulation</b>	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
<b>Mobility</b>	Not available.

## 13. Disposal Considerations

<b>Material Disposal</b>	When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
<b>Regulatory Information</b>	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.
<b>Packaging Disposal</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

## 14. Transport Information

<b>UN number</b>	Not regulated
<b>Proper shipping name</b>	n/a
<b>Transport hazard class</b>	n/a
<b>Packing group</b>	n/a
<b>Marine pollutant?</b>	Not classified as a marine pollutant

## 15. Regulatory Information

<b>Listed / complies with the following chemical inventories:</b>	DSL, IECSC, TSCA, EINECS, KECI, PICCS, AICS	
<b>SARA (311/312) Hazard Classifications</b>	No classification	
<b>SARA (313) Toxic Release Inventory:</b>	This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.	
<b>The following ingredients are cited on the lists below:</b>		
<b>Chemical Name</b>	<b>CAS Number</b>	<b>List Citations</b>
Graphite	7782-42-5	1, 12, 16, 17, 18

**Regulatory lists searched:**

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	20 = MA RTK

**16. Other Information**

The information contained herein is accurate to the best of our knowledge. Asbury Carbons makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

<b>NFPA Classification</b>	Health Hazard:	1
	Fire Hazard:	1
	Reactivity Hazard:	0