

## Hybake Complete Food Grade Oven Chain Lubricant

Revised January 25, 2024

### 1. Product and Company Identification

<b>Product Information</b>	
Trade Name	Hybake Complete Food Grade
Product Description	Water-based graphite lubricant
Recommended Uses	Oven chain lubricant
<b>Company</b>	Cummings-Moore Graphite Co. (a division of Asbury Carbons Inc.) 1505 Cedar Street Port Huron, MI 48060
<b>Emergency Telephone</b>	1-800-255-3924 (contract number: MIS0001931)
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
<b>Other hazards which do not result in classification</b>	May cause irritation of eyes, skin, respiratory tract, and mucus membranes.

### 3. Composition / Information on Ingredients

Components	CAS No.	Weight %	Hazard Code(s)
Water	7732-18-5	60 - 70%	---
Polyalkylene Glycol	9038-95-3	20 - 30%	---
Graphite	7782-42-5	11.5%	---

### 4. First Aid Measures

<b>Inhalation</b>	If breathed in, move person into fresh air. If symptoms persist, call a physician.
<b>Skin Contact</b>	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, consult a physician.
<b>Ingestion</b>	If large quantities of this material are swallowed, call a physician immediately.

### 5. Fire Fighting Measures

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	High volume water jet.
<b>Special fire hazards</b>	Do not use a solid water stream as it may scatter and spread fire. Do not allow run-off from fire fighting to enter drains or water courses. Use water spray to cool unopened containers.
<b>Products of Combustion</b>	Carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO).
<b>Advice for Fire Fighters</b>	In the event of fire, wear self-contained breathing apparatus.
<b>NFP Rating</b>	110

### 6. Accidental Release Measures

<b>Personal precautions</b>	Wear approved dust mask, safety goggles, and water-proof work gloves. Ensure adequate ventilation. Graphite is electrically conductive and any cleanup methods should avoid contacting graphite with electrical circuitry.
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<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<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>	Keep containers closed when not in use. Loosen closures slowly. Graphite is a conductor of electricity. Avoid contact between graphite and electrical circuitry. Handle in accordance with good industrial hygiene and safety practice.
<b>Fire and explosion protection</b>	No special instructions - material is not combustible.
<b>Storage precautions</b>	Protect from freezing. Store in original container. Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure Controls/ Personal Protection

Ingredients with control parameters / occupational exposure limits			
Component	CAS No.	TWA	Control Reference
Water	7732-18-5	---	---
Polyalkylene Glycol	9038-95-3	---	No established exposure limits.
Graphite	7782-42-5	2.0 mg/m <sup>3</sup>	Respirable dust, ACGIH
<b>Engineering controls</b>	Use adequate dust collection to maintain dust levels below the control or recommended values.		
<b>Respiratory Protection</b>	Use approved dust mask, type N95 recommended.		
<b>Eye Protection</b>	Safety glasses with side shields or goggles.		
<b>Skin Protection</b>	Conventional work gloves and clothing.		
<b>Hygiene measures</b>	Graphite spilled on pedestrian surfaces may pose a significant slip hazard.		

## 9. Physical and Chemical Properties

<b>Appearance</b>	Gray to black liquid	<b>Lower explosion limit</b>	Not established
<b>Odor</b>	Mild	<b>Upper explosion limit</b>	Not established
<b>pH</b>	9.5 – 11.0	<b>Vapor pressure</b>	As water
<b>Freezing point</b>	32°F (0°C)	<b>Vapor density</b>	As water
<b>Boiling range</b>	212°F (100°C)	<b>Water solubility</b>	Dispersible
<b>Flash point</b>	230 °C (446 °F) open cup	<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Evaporation rate</b>	As water	<b>Autoignition temperature</b>	No data available
<b>Specific gravity</b>	1.09 g/ml	<b>% volatile by weight</b>	60%

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable. Will not polymerize or self react spontaneously.
<b>Possibility of hazardous reactions</b>	None known
<b>Conditions to avoid</b>	Graphite will begin to oxidize at temperatures above 450 C.
<b>Materials to avoid</b>	Oxidizing agents, alkaline materials
<b>Hazardous decomposition products</b>	Carbon dioxide (CO <sub>2</sub> ), Carbon monoxide (CO)

## 11. Toxicological Information

<b>Acute oral toxicity</b>	No data available.
<b>Acute inhalation toxicity</b>	LC50 (rat): > 150 mg/l
<b>Acute dermal toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	Rabbit, Draize Test: mild skin irritation
<b>Eye damage/irritation</b>	Rabbit, Draize Test: mild eye irritation
<b>Respiratory or skin sensitization</b>	No data available.
<b>Mutagenicity</b>	Not mutagenic.

<b>Carcinogenicity</b>	Not expected to be carcinogenic. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, OSHA, or NTP.
<b>Reproductive toxicity</b>	Not expected to be a developmental toxicant. Not expected to impair fertility.
<b>STOT - single exposure</b>	No data available.
<b>STOT - repeated exposure</b>	No data available.
<b>Aspiration toxicity</b>	No data available.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Biodegradation</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility</b>	No data available.

## 13. Disposal Considerations

<b>Material Disposal</b>	Dispose of in a manner which conforms to local, state and Federal regulations. Graphite is non-hazardous but disposal of graphite waste should be handled in a responsible matter.
<b>Packaging Disposal</b>	Packaging should be completely emptied of contents and disposed of in a manner specified by the recycler/regional disposal contractor.

## 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 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 SARA hazards		
<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>	
Polyalkylene Glycol	9038-95-3	17, 18	
Graphite	7782-42-5	1, 12, 16, 17, 18	
<b>Regulatory lists searched:</b>			
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