ASBURY CARBONS **Safety Data Sheet**

SLIP Plate Hot Oven Chain Lubricant

Revision Date May 11, 2018

1. Product and Company Identification

Product Information	
Trade Name	SLIP Plate Hot Oven Chain Lubricant
Product Description	Water-based graphite lubricant
Recommended Uses	Oven chain lubricant
Company	Southwestern Graphite, Inc. (a division of Asbury Carbons Inc.) 2564 Highway 12 DeQuincy, LA 70633
Emergency Telephone	1-800-255-3924 (contract number: MIS0001931)
Information Phone	1-908-537-2155
Website	www.asbury.com

2. Hazards Identification

Classification	Not a hazardous substance
Labeling	No label elements are required
Other hazards which do not result in classification	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	75 - 90%	---
Polyalkylene Glycol	9038-95-3	1 - 15%	---
Graphite	7782-42-5	9 - 10%	---

4. First Aid Measures

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

5. Fire Fighting Measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	High volume water jet.
Special fire hazards	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.
Products of Combustion	Carbon dioxide (CO2), carbon monoxide (CO).
Advice for Fire Fighters	In the event of fire, wear self-contained breathing apparatus.
NFP Rating	110

6. Accidental Release Measures

Personal precautions	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.

Environmental precautions	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Methods for cleaning up	Contain spillage, and then collect with non-combustible absorbent material. Place in suitable, closed containers for disposal.

7. Handling and Storage

Precautions for safe handling	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.
Fire and explosion protection	No special instructions - material is not combustible.
Storage precautions	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^3	Respirable dust, ACGIH

Engineering controls	Use adequate dust collection to maintain dust levels below the control or recommended values.
Respiratory Protection	Use approved dust mask, type N95 recommended.
Eye Protection	Safety glasses with side shields or goggles.
Skin Protection	Conventional work gloves and clothing.
Hygiene measures	Graphite spilled on pedestrian surfaces may pose a significant slip hazard.

9. Physical and Chemical Properties

Appearance	Gray to black liquid	**Lower explosion limit**	Not established
Odor	Mild	**Upper explosion limit**	Not established
pH	9.0 – 10.0	**Vapor pressure**	As water
Freezing point	32°F (0°C)	**Vapor density**	As water
Boiling range	212°F (100°C)	**Water solubility**	Dispersible
Flash point	230 °C (446 °F) open cup	**Partition coefficient: n-octanol/water**	No data available
Evaporation rate	As water	**Autoignition temperature**	No data available
Specific gravity	1.05 g/ml	**% volatile by weight**	80-85%

10. Stability and Reactivity

Chemical stability	Stable. Will not polymerize or self react spontaneously.
Possibility of hazardous reactions	None known
Conditions to avoid	Graphite will begin to oxidize at temperatures above 450 C.
Materials to avoid	Oxidizing agents, alkaline materials
Hazardous decomposition products	Carbon dioxide (CO_2), Carbon monoxide (CO)

11. Toxicological Information

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

Carcinogenicity	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.
Reproductive toxicity	Not expected to be a developmental toxicant. Not expected to impair fertility.
STOT - single exposure	No data available.
STOT - repeated exposure	No data available.
Aspiration toxicity	No data available.

12. Ecological Information

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Biodegradation	No data available.
Bioaccumulation	No data available.
Mobility	No data available.

13. Disposal Considerations

Material Disposal	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.
Packaging Disposal	Packaging should be completely emptied of contents and disposed of in a manner specified by the recycler/regional disposal contractor.

14. Transport Information

UN number	Not regulated
Proper shipping name	n/a
Transport hazard class	n/a
Packing group	n/a
Marine pollutant?	Not a marine pollutant

15. Regulatory Information

Listed / complies with the following chemical inventories:	DSL, IECSC, TSCA, EINECS, KECI, PICCS, AICS
SARA (311/312) Hazard Classifications	No SARA hazards
SARA (313) Toxic Release Inventory:	This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

The following ingredients are cited on the lists below:

Chemical Name	CAS Number	List Citations
Polyalkylene Glycol	9038-95-3	17, 18
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.

NFPA Classification	Health Hazard:	1
	Fire Hazard:	1
	Reactivity Hazard:	0