

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • WaxStix Graphite
Product Code •

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer •

Southwestern Graphite (Division of Asbury Carbons) 2564 Highway 12 DeQuincy, LA 70633 (337) 786-5905	Cummings Moore Graphite (Division of Asbury Carbons) 1646 N. Green Avenue Detroit, MI 48209 (313) 841-1615
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1.4 Emergency telephone number

Manufacturer US: 1-800-255-3924; International: +01-813-248-0585; China: 400-120-0751;
Manufacturer Brazil: 0-800-591-6042; India: 000-800-100-4086; Mexico: 01-800-099-0731
ChemTel contract number: MIS0001931 (collect calls accepted)

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

2.1 Classification of the substance or mixture

CLP • Not classified

2.2 Label Elements

CLP
Hazard statements • No label element(s) required

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 • Skin Irritation 2

2.2 Label elements

OSHA HCS 2012

WARNING



Hazard statements • Causes skin irritation

Precautionary statements

Prevention • Wash thoroughly after handling.
Wear protective gloves .

Response • If on skin; Wash with plenty of water.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments

Graphite	CAS:7782-42-5 EC Number:231-955-3	< 90%	NDA	EU CLP: Not Classified OSHA HCS 2012: Comb. Dust	NDA
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	CAS:64742-52-5 EC Number:265-155-0 EU Index:649-465-00-7	> 10%		EU CLP: Annex VI, Table 3.1: Carc. 1B, H350 OSHA HCS 2012: Skin Irrit. 2	NDA

See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if symptoms occur.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Remove clothing and wash thoroughly before use. If irritation develops and persists, get medical attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do NOT induce vomiting. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media • No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • None known.

Hazardous Combustion Products • No data available

5.3 Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).
LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Ensure adequate ventilation to remove vapors, fumes, dust etc. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

- Keep unauthorized personnel away. Stay upwind.

6.2 Environmental precautions

- Prevent entry into waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
Clean up area with absorbent material and place in closed containers for disposal.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
Wash floor with soap and water.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use only in well ventilated areas. Water contamination should be avoided. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours and/or spray. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed. Store above freezing temperature.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Graphite (7782-42-5)	TWAs	2 mg/m ³ TWA (all forms except graphite fibers, respirable fraction)	2.5 mg/m ³ TWA (natural, respirable dust)	15 mg/m ³ TWA (synthetic, total dust); 5 mg/m ³ TWA (synthetic, respirable fraction)

Exposure Limits Supplemental

OSHA

- Graphite (7782-42-5): **Mineral Dusts:** (15 mppcf TWA (natural))

8.2 Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- 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

- Eye/Face**
- respirator if exposure limits are exceeded or symptoms are experienced.
- Skin/Body**
- Wear chemical splash safety goggles.
 - Wear protective clothing and gloves.
- Environmental Exposure Controls**
- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH=American Conference of Governmental Industrial Hygiene

NIOSH=National Institute of Occupational Safety and Health

OSHA =Occupational Safety and Health Administration

TWA =Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties**9.1 Information on Physical and Chemical Properties**

Material Description			
Physical Form	Solid	Appearance/Description	Gray/black liquid with a petroleum odor.
Color	Gray/black	Odor	Petroleum
Odor Threshold	Data lacking		
General Properties			
Boiling Point	> 500 F(> 260 C)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 1.2 Water=1	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Negligible	Vapor Density	> 5 Air=1
Evaporation Rate	Negligible		
Flammability			
Flash Point	>= 430 F(>= 221.1111 C) COC (Cleveland Open Cup)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity**10.1 Reactivity**

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Incompatible materials.

10.5 Incompatible materials

- Strong oxidizing agents, acids, and alkalis.

10.6 Hazardous decomposition products

- On burning may release carbon dioxide and carbon monoxide.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) (> 10%)	64742-52-5	Irritation: Skin-Rabbit • 500 mg • Severe irritation

GHS Properties	Classification
Respiratory sensitization	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
Serious eye damage/Irritation	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
Acute toxicity	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
Aspiration Hazard	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
Carcinogenicity	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
Skin corrosion/Irritation	EU/CLP .Data lacking OSHA HCS 2012•Skin Irritation 2
Skin sensitization	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
STOT-RE	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
STOT-SE	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
Toxicity for Reproduction	EU/CLP .Data lacking OSHA HCS 2012•Data lacking
Germ Cell Mutagenicity	EU/CLP .Data lacking OSHA HCS 2012•Data lacking

Potential Health Effects

Inhalation

- | | |
|--------------------------|---------------------|
| Acute (Immediate) | • No data available |
| Chronic (Delayed) | • No data available |

Skin

- Acute (Immediate)** • Causes skin irritation.
- Chronic (Delayed)** • No data available

Eye

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available

Ingestion

- Acute (Immediate)** • No data available
- Chronic (Delayed)** • No data available

Section 12 - Ecological Information**12.1 Toxicity**

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been conducted for this material.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods****Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

Inventory					
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS
Graphite	7782-42-5	Yes	No	Yes	No
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Yes	No	Yes	No

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) 64742-52-5 Not Listed
- Graphite 7782-42-5 D2A (natural); D2B (synthetic)

Canada - WHMIS - Ingredient Disclosure List

- Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) 64742-52-5 Not Listed
- Graphite 7782-42-5 Not Listed

Environment

Canada - CEPA - Priority Substances List

- Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) 64742-52-5 Not Listed
- Graphite 7782-42-5 Not Listed

Europe

Other

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)

- Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) 64742-52-5 Not Listed
- Graphite 7782-42-5 Not Listed

Japan

Environment

Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)

- Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) 64742-52-5 Not Listed
- Graphite 7782-42-5 Not Listed

Other

Japan - Chemical Substance Control Law (CSCL) - Monitoring Chemical Substances

- Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) 64742-52-5 Not Listed
- Graphite 7782-42-5 Not Listed

Japan - Poisonous and Deleterious Substances - Substances Not Considered Deleterious

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

Japan - Poisonous and Deleterious Substances - Substances Not Considered Poisonous

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Graphite	7782-42-5	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

- | | | |
|--|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Graphite | 7782-42-5 | Not Listed |

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- | | | |
|--|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Graphite | 7782-42-5 | Not Listed |

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- | | | |
|--|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Graphite | 7782-42-5 | Not Listed |

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- | | | |
|--|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Graphite | 7782-42-5 | Not Listed |

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- | | | |
|--|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Graphite | 7782-42-5 | Not Listed |

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Relevant Phrases (code & full text)**

- H350 - May cause cancer.

Disclaimer/Statement of

- R45 - May cause cancer.
- The information contained herein is based on data available. However, no warranty is

Preparation By

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Liability

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Key to abbreviations

NDA=No data available

