Asbury Graphite Mills, Inc.	PO Box 144, 405 Old Main St. Asbury, NJ 08802	908-537-2155
Cummings – Moore Graphite Co.	1646 N. Green Ave. Detroit, MI 48209	313-841-1615
Anthracite Industries	PO Box 112, Sunbury, PA 17801	570-286-2176
Southwestern Graphite	PO Box 876, 2564 Hwy 12 DeQuincy, LA 70633	337-786-5905
Asbury Graphite of California	2855 Franklin Canyon Rd. Rodeo, CA 94572	510-799-3636
Asbury – Wilkinson	1115 Sutton Drive Burlington, ON, L7L 5Z8 Canada	905-332-0862
Asbury Graphite & Carbons NL B.V.	Fregatweg 46 B-C, Maastricht 6222 NZ Netherlands	+31437600610
Graphitos Mexicanos de Asbury, S.A. de C.V.	Blvd José Maria Morelos No.389 Nte, Hermosillo 83148 Mexico	526622678598

Safety Data Sheet

Section 1 – Identification of the Substance / Preparation, and of the Company

1.1: Product Identifier

Trade Name:	4106 Diamond Parting Compound
REACH Registration Number:	Not Applicable: North America only
Substance Name:	Mixture of Calcium Carbonate, CAS 471-34-1, and Calcium Stearate, CAS1592-23-0

1.2: Indentified uses of the substance or mixtures

1.2.1 Uses: Release agent for foundry applications.

1.2.2 Uses Advised Against: For industrial use only, not for food, drug, or cosmetic applications.

1.3: Supplier Information

Company/Manufacturer: Asbury Carbons, Inc.
PO Box 144, 405 Old Main Street
Asbury, NJ 08802

Telephone: 908-537-2155
Telefax: 908-723-2908
Preparer: AVT
Email Address: albert@asbury.com
Date Prepared: 10/23/2015

1.4: Emergency Telephone Number 1-800-255-3924

Section 2: Hazards Identification

2.1: Classification of substance

This mixture is not classified as a hazardous material.

2.2: Label Elements

No label elements are required

2.3: Other hazards

None known

Section 3 – Composition/Information on Ingredients:
Chemical Composition:

Calcium carbonate, precipitated, $CaCO_3$, 95-99%
CAS # 471-34-1
EC # 207-439-9
Molecular Weight: 80.0

Calcium stearate, $C_{36}H_{70}CaO_4$, 1-5%
CAS 1592-23-0
EC# 216-472-8
Molecular Weight: 607.0

Section 4 – First Aid Measures

4.1.1 Inhalation	Remove patient to particulate-free environment. Wear approved dust mask to avoid breathing dust. Seek medical attention if irritation persists.
4.1.2 Skin contact	Wash with mild soap and warm water: This mixture is not a chemical irritant. However, minor physical abrasion may be possible.
4.1.3 Eye contact	Rinse with tepid water until eyes are clear of particulates. Seek medical attention if irritation persists.
4.1.4 Ingestion	The mixture is non-toxic but should not be ingested. Calcium stearate is a wax and ingestion may cause digestive system blockage or irritation.
4.2 Most important symptoms and effects, both acute and delayed: No Data Available	
4.3 Indication of any immediate medical attention and special treatment needed: If patient exhibits shortness of breath, choking, powder inundated eyes or mouth; immediate medical attention may be required.	

Section 5 – Fire Fighting Measures

This mixture is not flammable	
5.1 Extinguishing Media	Dry chemical extinguisher, water, sand, limestone powder,
5.2 Special Hazards	This substance will smolder but is not easily ignited. Only a minor fraction (less than 5%) of the mixture is composed of combustible wax (calcium stearate). Active burning is not possible but at elevated temperatures smoldering of hydrocarbon vapors, with associated waxy odor, is possible. The calcium carbonate fraction of the mixture will not burn and has fire retardant properties.
Products of Combustion:	Carbon dioxide, CO_2, carbon monoxide, CO,
5.3 Advice for Fire Fighters: Use self contained air pack, gloves, safety goggles	
5.4 Additional Information: USA NFP Rating 010	

Section 6 – Accidental Release Measures

	Wear approved dust mask, safety goggles, and conventional work gloves.
Methods for Cleaning Up:	Conventional Sweep or vacuum. Avoid creating dusting conditions

6.1 Personal precautions , protective equipment and emergency procedures
6.1.1 For non-emergency personnel: Wear approved dust mask, safety goggles, and conventional work gloves. Use conventional cleanup techniques and avoid creating dust. Vacuum is preferred over sweeping. Wear a dust mask/respirator to reduce the change of inhaled dust.
6.1.2 For emergency responders: Wear approved dust mask, safety goggles, and conventional work gloves. Same methodology as for non-emergency personnel(sec 6.1.1)
6.2 Environmental Precautions: This mixture is inert and insoluble and will not pose any soluble ion hazards to the environment. However, good housekeeping practices should be followed and spilled material should be cleaned up, and disposed of in an appropriate manner.
6.3 Methods and material for containment and clean up: No special containment needed other than conventional vacuuming and waste containment. Avoid creating dust.
6.4 Reference to other sections: Not needed 6.5 Additional information: Not needed

Section 7 – Handling and Storage

7.1 Precautions for safe handling

7.1.1 Handling Use conventional methods, but avoid dusting conditions. Keep powder from contacting eyes
7.2 Conditions for safe storage, including any incompatibilities.
Storage and Incompatibilities Store a dry location. Calcium carbonate is incompatible with acids. Contact with acids will cause evolution of carbon dioxide, which can result in high pressure if the reaction occurs in a sealed vessel.
Dust Explosibility Hazards: Not applicable.

Section 8 – Exposure Controls/ Personal Protection

8.1 Control parameters

8.1.1 Occupational exposure limits

Component	CAS No.	%	OSHA PEL	Control Reference
Calcium carbonate	471-34-1	95-99	15 mg/m^3 total dust 5 mg/m^3 Respirable particles	2014 ACGIH Guide to Occupational Exposure Values
Calcium stearate	1592-23-0	1-5	Recommended 10.0 mg/m^3 Inhalable dust 3 mg/m^3 Respirable particles	2014 ACGIH TLV Handbook: Low toxicity/insoluble or poorly soluble-Not otherwise specified

Engineering Measures	Use adequate dust collection to maintain dust levels below the control or recommended values.
Respiratory Protection	Approved dust mask, type N95 recommended.
Eye Protection	Conventional safety glasses or goggles.
Skin Protection	Conventional work gloves and clothing.
Additional	None

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Use adequate dust collection to maintain dust levels below the control or recommended values.
8.2.2 Personal protective equipment 8.2.2.1 Eye/Face Protection: Wear laboratory goggles, or full side shielded safety glasses. 8.2.2.2 Skin Protection: Conventional work gloves and clothing. 8.2.2.3 Respiratory Protection: Approved dust mask, type N95 recommended.
8.2.3 Environmental exposure controls: The components of this mixture are inert and insoluble. To the best of our knowledge, Asbury 4106 Parting will not present any environmental hazards. No special environmental exposure controls, other than standard practices for dust and spill control, are required.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Color:	White	Material State	Solid, granular or powder
Odor	None		
Boiling Point:	NA	Melting Point	148 °C (calcium stearate only)
Specific Gravity	2.4	Vapor Density	Not applicable
Vapor Pressure (mmHg)	NA	% Volatile (By Wt.)	1-5%
Solubility in Water	Insoluble	Evaporation Rate:	Not applicable
pH	NA	Auto Ignition	Above 350 ˚C
Decomposition Temp	Partial decomposition of wax phase above 350C	Dust Explosion class	NA
Flash Point	NA		

Section 10 – Stability and Reactivity

10.1 Reactivity	Non-reactive under ambient conditions.
10.2 .Stability	Stable. Will not polymerize or self react spontaneously.
10.3 Possibility of hazardous reactions	Reacts with acidic media to form carbon dioxide gas.
10.4 Conditions to Avoid	Avoid contact with acids
10.5 Incompatible materials	Acidic media.
10.6 Hazardous products of decomposition	Carbon Dioxide (CO_2), Carbon Monoxide (CO), Sulfur dioxide (SO_2)
Flammable Limits (% by Vol.)	LEL and UEL values not applicable to this mixture which contains less than 5% combustible wax component.

Section 11 – Toxicological Information
11.1 Information on toxicological effects

Toxicological information about this mixture is not available. This mixture is inert, insoluble and is not expected to present an ingestion, or other toxicity hazard.

Aspiration hazard: Solid substance. Based on available data the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics:

In case of ingestion: This mixture of calcium carbonate and calcium stearate inert and insoluble, no ingestion toxicity is expected. However, irritation of the gastrointestinal tract may occur.
In case of skin contact: Mechanical irritation is possible.
In case of inhalation: Inhalation may result mechanical irritation of the respiratory tract. No symptoms are expected if relevant occupational exposure levels are adhered to. In situations of repeated excessive lung overload due to a high airborne concentration of particles of respirable size for extended periods of time pneumoconiosis may develop. See section 4 for first aid measures.
In case of eye contact: No human data on effects after eye contact. See section 4 for first aid measures.

Section 12 – Ecological Information

12.1 Toxicity:	To the best of our knowledge this mixture does not present any significant environmental hazards. Calcium carbonate is the principal constituent of this mixture and is not expected to pose a toxic hazard to aquatic organisms.
12.1.1 Aquatic Toxicity: Data not available. Fine calcium carbonate particles suspended in natural water bodies may be harmful to organisms sensitive to suspended solids. Calcium stearate is insoluble in water and will mix with water.	
12.1.2 Sediment toxicity: None known.	
12.1.3 Terrestrial toxicity: None known.	
12.2 Persistence and degradability: No information available.	
12.3 Bioaccumulation potential: There is no evidence indicating that this mixture is bioaccumulative.	
12.4 Soil Mobility: This mixture is not expected to have mobility in soil as it is an insoluble, inorganic substance.	
12.5 PBT and vPvB assessment: This mixture of calcium carbonate and calcium stearate is not a persistent bioaccumulative and toxic mixture.	
12.6 Other adverse effects: None known.	

Section 13 – Disposal Considerations

Dispose of in a manner which conforms to local, state and Federal regulations.

This mixture of calcium carbonate and calcium stearate is non-hazardous but disposal of waste should be handled in a responsible matter.

This mixture of calcium carbonate and calcium stearate is not biodegradable.

Packaging should be completely emptied of contents and disposed of in a manner specified by the recycler/regional disposal contractor. Dust formation from packaging residues should be avoided. Store empty packaging in a suitable receptacle

Section 14 – Transport Information

14.1 UN Number	Not applicable
14.2 UN Proper shipping name	Not applicable
14.3 Transport hazard class	Not applicable
14. 4 Packing Group	Not applicable
14.5 Environmental hazards	None known
Marine Transport	Not classified as a hazardous material
Land Transport	Not classified as a hazardous material
Air Transport	Not classified as a hazardous material
Transport Label Required	No label required

Section 15 – Regulatory Information

15.1 Regulatory Status and Inventories

Not Classified	Calcium Carbonate	Calcium Stearate
Inventory Information:		
EEC EINECS	207-439-9	216-472-8
US TSCA	Yes	Yes
Canada DSL	Yes	Yes
Canada NDSL	No	No
Japan ENCS	Yes	No
Australian AICS	Yes	Yes
China IECSC	Not available	Yes
Korean ECL	Yes KE-06252	Yes
SWISS Giftliste 1	Yes	Yes
Asia PAC	Yes	No
New Zealand NZLoC	Yes	Yes
INSQ Mexico	Not available	Yes
RoHS: Compliant with the EU RoHS directive		

Section 16 – Other Information

Abbreviations Used:

ACGIH TWA American Council of Government and Industrial Hygienists Time Weighted Average value.

CAS Chemical Abstracts Service

NA Not applicable

N.O.S. Not otherwise specified

BW Body weight