

SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: GROUNDMAX
Product Description: Inhibited carbon backfill
Recommended Use: Grounding enhancement

COMPANY IDENTIFICATION

Supplier: BURNDY LLC
47 East Industrial Park Drive
Manchester, NH 03109 USA

24 Hour Emergency (INFOTRAC) (800) 535-5053 (US and Canada)
(352) 323-3500 (International)
Burndy Informational Number (603) 647-5000

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION

Health	Environmental	Physical
No Classifiable hazards	No Classifiable hazards	No Classifiable hazards

LABELLING

Symbols: Not Applicable

Signal Word: Warning

Hazard Statements

Repeated or prolonged contact may cause irritation of eyes, skin or respiratory system.

Precautionary Statements

Wear safety glasses or goggles. Gloves are recommended. If there is excessive dust, a NIOSH approved respirator is recommended. Wash skin and hair thoroughly after handling.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Hazardous Substance(s) or Complex Substance(s):

Name	CAS #	Weight % (Dry basis)
Calcium Petroleum Coke	64743-05-01	50-100%
Hydroxide Compound	N/A	0-50%

* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume. The exposure limits of this product, when allowed to enter the environment as dust particulate, are covered under the rules of 29 CFR 1910.1000, Table Z -3, "All inert or nuisance dusts, whether mineral, inorganic or organic."

SECTION 4 FIRST AID MEASURES

ROUTES OF ENTRY: Ingestion, Contact

EMERGENCY AND FIRST AID PROCEDURES:

- Inhalation: First aid is not normally required. If breathing difficulties develop, move victim away from source of exposure and into fresh air.
- Eye Contact: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.
- Skin Contact: First aid is not normally required. Wash any chemical from the skin with soap and water.
- Ingestion: First aid is not normally required. There are no known health effects from ingestion of small amounts. If swallowed and symptoms or discomfort develop, seek medical attention.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Appropriate Extinguishing Media:** Dry chemical type preferred, carbon dioxide, foam, water spray, or earth is recommended.
- Inappropriate Extinguishing Media:** None known

FIRE FIGHTING PROCEDURES

- Fire Fighting Instructions:** Use washdown and spread-out method. For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. If the potential hazard is unknown or in enclosed or confined areas, self-contained breathing apparatus should be worn. Cool equipment exposed to fire with water if it can be done with minimal risk.
- Unusual Fire Hazards / Combustion Products:** This material may burn but will not ignite readily. When water is used to extinguish a fire in a confined storage space there is the possibility of a steam explosion. Whenever possible, the burning coke in a confined storage space should be removed and the material drenched in an open area to extinguish fire. Under certain conditions, the dust may be a potential explosion hazard.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Contain and remove by mechanical means (scoop, sweep or vacuum). Prevent spilled material from entering sewers, storm drains or other unauthorized treatment drainage systems and natural waterways. Geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local professionals should be consulted. Note: Local regulations may prescribe or limit action to be taken.

SECTION 7 HANDLING AND STORAGE PRECAUTIONS FOR SAFE HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Storage of ThermOweld Contact GF materials should be in a clean dry area and restricted to access by authorized personnel only. Do not subject to physical damage. Keep away from children. Keep away from ignition sources. Do not spray in eye, inhale vapors, or ingest. Use product in only well-ventilated areas. Should be stored to minimize dust formation.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Calcined Petroleum Coke	64743-05-1	15 mg/m ³ TWA (Total Dust) 5 mg/m ³ TWA (Respirable Fraction)	10 mg/m ³ TWA (Total Dust) 3 mg/m ³ TWA (Respirable Fraction)

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection: NIOSH approved respirator designed to remove airborne particulate present in excess of maximum allowable concentrations due to secondary operations such as mixing, spraying, sanding, buffing, etc. Refer to 29 CFR 1910.134 or European Standard EN 149 for regulations.

Eye protection: Approved eye protection, such as safety glasses or goggles to safeguard against potential eye contact is recommended.

Skin and Body Protection: Not required. However, gloves, long sleeved shirt, long pants, cap and boots recommended when handling.

Other Protective Clothing or Equipment: Safety eyebath nearby

Specific Hygiene Measures: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 9	PHYSICAL/CHEMICAL
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Typical physical and chemical properties are given below. Consult the Manufacturer in Section 1 for additional data.

GENERAL INFORMATION:

Physical State:	Solid
Color:	Steel Gray to Black
Odor:	Characteristic odor/slight petroleum odor
Odor Threshold:	Not Available

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION:

Appearance:	Granular
pH:	Not Applicable
Viscosity:	Not Applicable
Freezing Point:	Not Available
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Evaporation Rate:	Not Applicable
Lower Flammability Limit:	Not Applicable
Upper Flammability Limit:	Not Applicable
Vapor Pressure:	Not Applicable
Vapor Density (Air=1):	Not Applicable
Specific Gravity (Water = 1):	2.0 (typically)
Solubility in Water:	<0.1%
Coefficient of Water/Oil Distribution:	Not Available
Auto-ignition Temperature:	Not Available
Percent Volatile, wt. %:	Not Available
VOC content, wt. %:	Not Available

SECTION 10	STABILITY AND REACTIVITY
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STABILITY: Stable under normal storage conditions.

CONDITIONS TO AVOID: Avoid generating airborne dust

INCOMPATIBLE MATERIALS: Strong oxidizers, perchlorates, peroxides, nitric acid, especially when heated.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition will not occur if handled and stored properly. In case of fire, smoke, oxides of carbon and sulfur may be released under ignition.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

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SECTION 11 TOXICOLOGICAL INFORMATION

No known toxicological effects at this time.

SECTION 12 ECOLOGICAL INFORMATION

No known ecotoxicity information at this time.

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

This material, if discarded as product, is not a RCRA "listed" or "characteristic" hazardous waste. Product may be processed by an approved recycler or disposed of at an approved waste disposal facility. Method of disposal selected is subject to compliance with applicable federal, state, and local laws and regulations and product characteristics at the time of disposal.

SECTION 14 TRANSPORTATION

General Information:

Hot calcined petroleum coke is regulated when loading cargo vessels if the coke temperature exceeds 130F. (See 46 CFR 148.04-17)

UN Number: N/A
UN Proper Shipping Name: N/A
Transport Hazard Class: N/A
Packing Group Number: N/A
Environmental Hazards: N/A

SECTION 15 REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SECTION 16 OTHER INFORMATION

NFPA Health Hazard 1 Flammability 1 Instability 0 Physical and chemical hazards -
HMIS Health Hazard 1 Flammability 1 Physical Hazard 0 Personal protection X

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Revision Date	Description	Sections Affected
6/2/11	MSDS Version written	All
7/15/11	Updated to GHS criteria, additional sections added	All
8/1/11	Update	2, 15
9/2/14	Update	All
9/30/14	Update	All
08/02/23	Update	All

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