

# SAFETY DATA SHEET

**SECTION 1 PRODUCT AND COMPANY IDENTIFICATION****PRODUCT:****Product Identifier:** BURNDY<sup>®</sup> GROUNDMAX<sup>™</sup>**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:** Not Applicable**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS****Reportable Hazardous Substance(s) or Complex Substance(s):**

Name	Common Name/Synonym	CAS #	Percentage	Impurities	Risk Phrase
Calcium Petroleum Coke	-	64743-05-01	-	-	-
Hydroxide Compound	-	N/A	-	-	-

\* 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.

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**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 develops, 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 TO BE TAKEN IN HANDLING AND STORAGE:**

Storage of GROUNDMAX<sup>™</sup> 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	CAS #	TWA/STEL	OSHA PEL	ACGIH TLV
Calcined Petroleum Coke	64743-05-1	TWA	15 mg/m <sup>3</sup> (Total Dust) 5 mg/m <sup>3</sup> (Respirable Fraction)	10 mg/m <sup>3</sup> (Total Dust) 3 mg/m <sup>3</sup> (Respirable Fraction)

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#### 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.

<b>SECTION 9</b>	<b>PHYSICAL/CHEMICAL PROPERTIES</b>
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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

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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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)

Regulatory Information	UN Number	Proper Shipping Name	Hazard Class	Packing Group	Label(s)	RQ	Additional Information
US DOT	Not Regulated by DOT						
TDG	Not Regulated for Land Transport						
ADR	Not Regulated for Land Transport						
IATA	Not Regulated for Air Transport						
IMDG	Not Regulated for Sea Transport						

**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****HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATINGS:**

Health - 1                      Flammability - 1                      Reactivity - 0

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**

Revision Date	Description	Sections Affected
6/2/11	MSDS Version written	1-11
7/15/11	Updated to GHS criteria, additional sections added	1-16
8/1/11	Updates	2, 15
9/2/14	Updates	All
9/30/14	Updates	All

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