



Material Safety Data Sheet

Diamond Grit Blasting Abrasive

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SECTION I: PRODUCT IDENTIFICATION

Product Types: **Blasting Abrasive**

Product Name:
Black Blast

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Black Diamond abrasives are stable, amorphous glass-like compounds.
Crystalline silica (quartz) content varies from non-detectable to a maximum detected of 2.1%

Chemical identity	CAS #	Percent	OSHA PEL	ACGIH TLV
Coal slag	N/A	98+ %	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (total) 3 mg/m ³ (respirable)
Crystalline silica (quartz)	14808-60-7	0-2%	0.1mg/m ³ (respirable)	0.1 mg/m ³ (respirable)

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point >>2500 °F	Specific gravity: (H ₂ O = 1) 2.65	Vapor Pressure: (mmHg) N/A
Melting Point: 2500 °F	Vapor Density: (AIR =1) N/A	Evaporation Rate: (Butyl acetate=1)N/A
Solubility in water: Negligible	Hardness: #7	Appearance and odor: Black granular solid, no apparent odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash point: (Method used) N/A
Flammable limits: N/A
Extinguishing Media: None required
Special fire fighting procedures: None
Unusual Fire and Explosion Hazards: None

SECTION V: REACTIVITY DATA

Stability:	Unstable Stable X	Conditions to avoid None
Incompatibility (Materials to Avoid):	none known	
Hazardous Decomposition or Byproducts:	N/A	
Hazardous Polymerization:	May Occur Will Not Occur X	Conditions to Avoid None

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry	Inhalation? Yes	Skin? Eyes, Yes	Ingestion? Not significant
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Health Hazards (Acute and Chronic): May cause mechanical irritation to eyes and skin. Low toxicity by ingestion. Primarily hazardous by inhalation. Dust can cause mucous membrane irritation. Repeated or extremely high exposures to dust could cause pneumoconiosis.

Carcinogenicity	NTP? No (yes for quartz)	IARC? No (yes for quartz)	OSHA Regulated No
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Signs and Symptoms of Overexposure: Shortness of breath, coughing, impaired lung function

Medical Conditions Generally Aggravated by Exposure: Respiratory illnesses

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes.

Ingestion: Drink large amounts of water.

Skin: wash with mild soap and water

Inhalation: Move the person to fresh air; support breathing

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Follow established procedures for handling unregulated dusts and sands. Scoop or shovel into container, controlling dust. The material can be wetted with water to control dust. If material has been used for abrasive blasting, the waste material may be contaminated from the blasting.

Waste Disposal Method: May be disposed of in an approved landfill in accordance with all EPA, state, and county disposal regulations. Disposal requirements may change once material has been used for abrasive blasting

Precautions to be Taken in Handling and Storing: Minimize inhalation and direct skin contact. Minimize dust generation. Respirator required in enclosed or poorly ventilated spaces and all other work involving high exposure.

Other Precautions: Carefully follow all EPA, state, and county regulations

Respiratory Protection (*Specify Type*)

NIOSH approved Type CE airline respirator for abrasive blasting. NIOSH approved disposable dust mask (N100 recommended) for comfort, protection against dust when pouring material

SECTION VIII: CONTROL MEASURES

Ventilation	Local Exhaust To maintain exposure below TLV/PEL	Special None	Mechanical (General) To maintain exposure below TLV/PEL	Other None
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Protective Gloves: Use gloves to prevent skin abrasion

Eye Protection: Safety glasses or chemical goggles

Other Protective Clothing or Equipment: Safety glasses and normal work clothing for limited exposure. Type CE abrasive blasting respirator (including head and face protection) and sturdy coveralls to protect against high dust levels and abrasive effects when doing abrasive blasting

Work/Hygienic Practices: Normal practices.

FOOT NOTES

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