# AL-55175

### Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

IDENTITY (As Used on Label and List) #155 BLK 40-80 and 30-60 **SECTION I** 

Manufacturer's Name Black Diamond Granules, Inc./Abrasive Technologies Inc Addı 499 Wo

## U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

Note: Blank spaces are not permitted. If any item is not applicable, or no

information is available, the spaces must be marked to indicate that

Emergency Telephone Number 651-436-6071

cillologics, ilic.	
dress	Telephone Number for Information
9 Settlers Ridge Parkway	651-436-6071
bodbury, MN 55129	Date Prepared: 3March 2008. Updated 24Feb2012
	Signature of Preparer (optional) Janet L. Keyes, CIH

#### SECTION II – Hazardous Ingredients/Identity Information

#### **Overview**:

Black Diamond abrasives are stable, non-flammable amorphous glass-like compounds. No hazard, other than mechanical abrasion, is expected from short term exposure. Repeatedly breathing high levels of dust from abrasive blasting can cause serious lung damage.

Chemical identity	CAS #	Percent	OSHA PE	L	ACG	IH TLV
Coal slag	68476-96-0	99+ %	9+% 15 mg/m <sup>3</sup> (total)		10 m	ng/m <sup>3</sup> (inhalable)
			$5 \text{ mg/m}^3$	(respirable)	3 mg	g/m <sup>3</sup> (respirable)
Crystalline silica	14808-60-7	*	0.1mg/m	<sup>3</sup> (respirable)	0.05	mg/m <sup>3</sup> (respirable)
(quartz)		*Silica concentrations for 30-60 grade average <0.37% and in 2006,				
		2007, 2008, 2010, and 2011 were below the detection level of 0.3%.				
		Silica concentrations for 40-80 range from <0.3% to 1.6% in samples				
		taken over the last nine years (average = $0.8\%$ ).				
Beryllium	7440-41-7	0.00036%	)	$2 \mu g/m^3$		$0.05 \ \mu g/m^3$

<b>SECTION III – Physical</b>	Characteristics		
Boiling point	>>2500 °F	Specific gravity ( $H_20 = 1$ )	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: Bla	ck granular solid,	no apparent odor	

SECTION IV – Fire and Ex	plosion Hazard Data		
Flash point (Method used)		Flammable limits:	N/A
Extinguishing Media: none r	required		
Special fire fighting procedur	es: None		
Unusual Fire and Explosion H	Iazards: None		
SECTION V – Reactivity D	ata		
Stability Unst	able	Conditions to av	void
Stab	le X	None	
Incompatibility (Materials to	Avoid): none known		
Hazardous Decomposition or	Byproducts: N/A		
Hazardous Polymerization	May Occur	Со	nditions to Avoid
	Will Not Occur X		None

Yes         Eyes, Yes         Not significant           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, chronic lung disease         Carcinogenicity         NTP?         IARC?         OSHA Regulated           Respiratory illnesses         No (yes for quartz, beryllium)         No (yes for quartz, beryllium)         No (yes for quartz, beryllium)         No           Medical Conditions Generally Aggravated by Exposure:         Respiratory illnesses         Stars and Symptoms of Overexposure: Shortness of breath, coughing, impaired lung function           Medical Conditions Generally Aggravated by Exposure:         Respiratory illnesses         Stars and stars.         Skin: wash           SECTION VII - Precautions for Safe Handling and Use         Steps to Be Taken in Case Material is Released or Spilled         Follow established procedures for handling and Use           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 anapproved landfill in accordance with all EPA, state, and county disposal regulations. Disposal requirements may change once material has been used for anapproved landfill in accordance with	Section VI – Healt	h Hazard Data			
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