

## SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 &amp; 1272/2008/EC Standards


SDS Revision: 1.1

SDS Revision Date: 7/25/2015

## 1. PRODUCT &amp; COMPANY IDENTIFICATION

1.1	Product Name:	<b>50 LB BLACK ALUMINUM OXIDE BLAST MEDIA, 70 GRIT</b>
1.2	Chemical Name:	Aluminum Oxide
1.3	Synonyms:	P/N 61870
1.4	Trade Names:	Central Pneumatic
1.5	Product Uses & Restrictions:	Abrasive
1.6	Distributor's Name:	Harbor Freight Tools USA, Inc.
1.7	Distributor's Address:	26541 Agoura Road, Calabasas, CA 91302 USA
1.8	Emergency Phone:	<b>CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687)</b>
1.9	Business Phone / Fax:	+1 (805) 388-1000

## 2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	<p>This product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).</p> <p><b>WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED.</b></p> <p><u>Classification:</u> Skin Sens. 1B; Acute Tox. Inh. 5</p> <p><u>Hazard Statements (H):</u> H317 – May cause an allergic skin reaction. H333 – May be harmful if inhaled.</p> <p><u>Precautionary Statements (P):</u> P261 – Avoid breathing dust. P304 + P312 – IF INHALED: Call a POISON CENTER/doctor if you feel unwell. P280 – Wear protective gloves/eye protection/face protection. P302+P352 – IF ON SKIN – Wash with soap and water. P333+P313 – If skin irritation occurs: Get medical advice/attention. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).</p>	
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## 3. COMPOSITION &amp; INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m <sup>3</sup> )								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
ALUMINUM OXIDE	1344-28-1	BD1200000	215-691-6	60-100	15	NA	NF	NF	NF	15	NA	NA	
Skin Sens. 1B: Acute Tox. Inh. 5: H317. H333													

## 4. FIRST AID MEASURES

4.1	First Aid:	<p><u>Ingestion:</u> Ingestion unlikely; however, if ingested, do not induce vomiting. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p><u>Eyes:</u> If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes lifting upper and lower lids, occasionally.</p> <p><u>Skin:</u> Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at least 15 minutes.</p> <p><u>Inhalation:</u> Remove victim to fresh air at once. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Keep person warm, quiet and get medical attention.</p>
4.2	Effects of Exposure:	<p><u>Ingestion:</u> If product is swallowed, may cause gastrointestinal disturbance.</p> <p><u>Eyes:</u> Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, irritation and watering.</p> <p><u>Skin:</u> May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.</p> <p><u>Inhalation:</u> Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract.</p>
4.3	Symptoms of Overexposure:	<p><u>Ingestion:</u> If product is swallowed, may cause gastrointestinal disturbance.</p> <p><u>Eyes:</u> Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, irritation and watering.</p> <p><u>Skin:</u> May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.</p> <p><u>Inhalation:</u> Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract.</p>
4.4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of dust can cause coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract.
4.5	Chronic Health Effects:	Possible allergic dermatitis in some sensitive individuals

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## 4. FIRST AID MEASURES – cont'd

4.6	Target Organs:	Eyes, Skin.				
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions.				
			HEALTH		1	
			FLAMMABILITY		0	
			PHYSICAL HAZARDS		0	
			PROTECTIVE EQUIPMENT		B	
			EYES	SKIN		

## 5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This material can burn but will not readily ignite. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO <sub>x</sub> , Hydrocarbons).	
5.2	Extinguishing Methods:	CO <sub>2</sub> , Dry Chemical, Alcohol Foam. Use water spray to cool containers.	
5.3	Firefighting Procedures:	Keep containers cool until well after the fire is out. Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personnel. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.	





## 6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill individuals involved in cleanup must wear appropriate Personal Protective Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. No special precautions are required for intact packaging containing this product. If product is crushed, use respiratory protection equipment. Do not use compressed air to clean up any residue. Use a wet method or vacuums equipped with High Efficiency Particulate (HEPA) filters to clean up any residues from this product. Waste must be placed in dust tight containers or sealed plastic bags for disposal. Label properly. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water.
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## 7. HANDLING &amp; STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when handling this product. Handle as to avoid puncturing container(s). Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.
7.3	Special Precautions:	Clean all spills promptly. Spilled material may present a slipping hazard.

## 8. EXPOSURE CONTROLS &amp; PERSONAL PROTECTION

8.1	Exposure Limits: ppm (mg/m³)		ACGIH		NOHSC			OSHA			OTHER
		CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		ALUMINUM OXIDE	15	NA	NF	NF	NF	15	NA	NA	
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).									
8.3	Respiratory Protection:	In instances where dusts are generated when using this product, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.									
8.4	Eye Protection:	Avoid eye contact. ANSI approved safety goggles should be used when using this product. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).									
8.5	Hand Protection:	Heavy-duty work gloves recommended under normal conditions of use to avoid abrasions and reduce risk of exposure to hands. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states.									
8.6	Body Protection:	No apron required under normal circumstances; however, it is recommended. Upon completion of work activities using this product, wash any exposed areas thoroughly with soap and water. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.									

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**9. PHYSICAL & CHEMICAL PROPERTIES**

9.1	Appearance:	Dark gray in color
9.2	Odor:	Odorless
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	2,100 °C (3,812 °F)
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	3.5
9.12	Solubility:	Insoluble. Partially soluble in acids.
9.13	Partition Coefficient (log P <sub>ow</sub> ):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

**10. STABILITY & REACTIVITY**

10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO <sub>2</sub> ).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.

**11. TOXICOLOGICAL INFORMATION**

11.1	Routes of Entry:	Inhalation: YES	Absorption: YES	Ingestion: YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product and is not presented in this document.		
11.3	Acute Toxicity:	See Section 4.4		
11.4	Chronic Toxicity:	See Section 4.5		
11.5	Suspected Carcinogen:	NA		
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.		
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.		
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.		
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.		
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.		
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.		
11.8	Biological Exposure Indices:	NE		
11.9	Physician Recommendations:	Treat symptomatically.		

**12. ECOLOGICAL INFORMATION**

12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	There are no specific data available for this product.

**13. DISPOSAL CONSIDERATIONS**

13.1	Waste Disposal:	Dispose of in accordance with federal, state, provincial and local regulations.
13.2	Special Considerations:	NA

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## 14. TRANSPORTATION INFORMATION


The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

## 15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains <u>Alumina (Aluminum Oxide)</u> , a substance subject to SARA Title III, section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory or are otherwise exempt.
15.4	CERCLA Reportable Quantity (RQ):	NA
15.5	Other Federal Requirements:	None of the ingredients are listed as Hazardous Air Pollutants (HAPs). None of the ingredients are listed as Toxic Pollutants under the Clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean Water Act (CWA). This product does not contain any Class 1 or Class 2 ozone depleters.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects). 
15.7	State Regulatory Information:	<u>Alumina (Aluminum Oxide)</u> is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), and Washington Permissible Exposures List (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Harmful (Xn). <u>Risk Phrases</u> (R): 20-38 – Harmful if inhaled. Irritating to skin. <u>Safety Phrases</u> (S): 2-23-24-62 - Keep away from children. Do not breathe dust. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible. 

## 16. OTHER INFORMATION

16.1	Other Information:	<b>WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED.</b> Use only as directed. Keep away from children. Do not breathe fumes/spray. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible. <b>KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.</b>	
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Harbor Freight Tools USA, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16.4	Prepared for:	Harbor Freight Tools USA, Inc. 26541 Agoura Road Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 <a href="http://www.harborfreight.com">http://www.harborfreight.com</a>	
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 <a href="http://www.shipmate.com">http://www.shipmate.com</a>	

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## DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

## GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
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## EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
C	Ceiling Limit
ES	Exposure Standard (Australia)
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

## FIRST AID MEASURES:

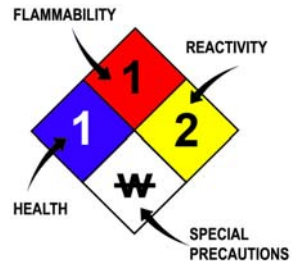
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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## HMIS-III HEALTH, FLAMMABILITY &amp; REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

## HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



## TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>10</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>10</sub> , LD <sub>10</sub> , & LD <sub>0</sub> or TC, TC <sub>0</sub> , LC <sub>10</sub> , & LC <sub>0</sub>	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL <sub>m</sub>	Median threshold limit
log K <sub>ow</sub> or log K <sub>oc</sub>	Coefficient of Oil/Water Distribution

## REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NOHSC	National Occupational Health and Safety Commission (Australia)
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

## WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

## EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

## CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment



# **SAFETY DATA SHEETS (SDS)**

## **1. PRODUCT IDENTIFICATION**

**PRODUCT NAME:** **BROWN FUSED ALUMINUM OXIDE**

**SYNONYMS:** Brown Alox, Mulgrit Brown Alox, BFA, "A" Abrasive, Alodur, Alpha Alumina, Alundum, BFA, Blasting Media, Duralum, Blastite, Dynablast

**FORMULA:**  $\text{Al}_2\text{O}_3$  (>92%)

**RECOMMENDED USES:** For Bonded Abrasives and General Industry Applications such as; grinding, deburring, snagging, and cutting of various materials. As a Blasting Grain it is suitable for wet or dry surface preparations. Microgrit Powders are used for micro blasting, precision lapping, fine grit grinding, break lining fillers, tumbling, polishing compounds, etc.

**COMPANY:** **Graystar LLC**

**ADDRESS:** 9 Simmonsville Road  
Bluffton, SC 29910

**PHONE:** 843-815-5600

## **2. HAZARD IDENTIFICATION**

### **HAZARD CLASSIFICATION:**

- Non-flammable brown solid grain or powder that is non-combustible and is stable.
- Abrasive particulate may cause minor Eye Irritation and/or Skin Irritation.
- Specific Target Organ Toxicity - May cause damage to lungs through prolonged or repeated exposure to dust.
- Titanium Dioxide ( $\text{TiO}_2$ ) component is suspected of causing cancer via inhalation.



**Warning**

### **HAZARD STATEMENTS:**

- Harmful if swallowed.
- May cause minor skin or eye irritation. Particulate may scratch cornea or cause other mechanical eye injury.
- Inhaled; May cause respiratory irritation through single use, or cause damage to lungs through prolonged or repeated exposure to concentrations in excess of the PEL or TVL without respiratory protection. This may also decrease the ability of the lungs to clear particulate matter which may cause shortness of breath and increase susceptibility to respiratory disease. Minor component titanium dioxide is suspected of causing cancer via inhalation.

### **PREVENTION:**

- Wash hands thoroughly after use.
- Wear protective gloves and eye/face protection.
- Do not breathe dust. Do not use compressed air or dry sweeping to remove dust from work areas.
- Wear respiratory protection for concentrations in excess of the PEL or TVL.
- Store in dry area in closed containers.
- Dispose of according to applicable federal, state and local regulation.



**FIRST AID:**

- **If Swallowed:** Call doctor if you feel unwell.
- **If on Skin:** Wash with soap and water. Seek medical advice if symptoms persist.
- **If in Eyes:** Flush with warm water for 15 minutes (remove contacts if possible). Seek medical attention if symptoms persist.
- **If Inhaled:** If breathing is difficult - Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms or feels unwell - Seek immediate medical attention.

**3. COMPOSITION / INFORMATION ON INGREDIENTS****Typical**

<b>Ingredient</b>	<b>CAS#</b>	<b>Weight(%)</b>	<b>PEL-OSHA</b> (mg/m <sup>3</sup> )	<b>TLV-ACGIH</b> (mg/m <sup>3</sup> )	<b>Carcinogen</b> (Y/N)
Alumina (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	92 - 96	10*	10	No
Titanium Dioxide (TiO <sub>2</sub> )	13463-67-7	1 - 4	15	10	Yes**
Silicon dioxide (SiO <sub>2</sub> )	7631-86-9	0 - 2	16		No
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	0 - 1.5	10	5	No
* Respirable Fraction			5	5	

\*\* Titanium Dioxide is suspected of causing cancer via inhalation (Carc.2 H351)

Materials are regulated under OSHA 29 CFR 1900.1200, Hazard Communication Standard.

Source of exposure limit data; ACGIH Threshold Limit Values; (OSHA Tables Z-1-A, Z-2, Z-3)

All ingredients are listed under TSCA.

**4. FIRST-AID MEASURES**

**EYES:** Flush eyes with lukewarm water for 15 minutes, opening and closing eyelids to ensure adequate rinsing. If redness, irritation, pain, or tearing occurs, seek medical attention.

**SKIN:** Wash contaminated area with soap and water. Wash contaminated clothing. Seek medical attention if symptoms persist.

**INHALATION:** If inhalation of high concentrations occurs, move to fresh air. If breathing has stopped, a certified professional should give CPR. Seek immediate medical attention.

**INGESTION:** Do not induce vomiting unless suggested by a doctor. Seek medical attention.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT:** Not Applicable

**FLAMMABLE LIMITS:** LEL: Not Applicable UEL: Not Applicable

**AUTO IGNITION TEMPERATURES:** Not Applicable.

**EXTINGUISHING MEDIA:** Use media appropriate for surrounding fire.

**FIRE AND EXPLOSION HAZARDS:** Non-flammable, non-combustible. Product will not burn.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**FIRE FIGHTING INSTRUCTIONS:** Firefighters should wear a NIOSH/MSHA approved full-faced self-contained breathing apparatus (SCBA) operated in positive pressure mode, and full turnout or bunker gear.

**NFPA CLASSIFICATION:**

**HEALTH: 1**

**FLAMMABILITY: 0**

**REACTIVITY: 0**



## 6. ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unauthorized and/or unprotected personnel. Avoid dust generation. Water mist may be added as necessary to control the level of airborne dusts. Respiratory protection for clean-up personnel depends on the level of exposure anticipated. (See Section 8. *EXPOSURE CONTROLS/PERSONAL PROTECTION*). Gently shovel or scoop into clean dry container for later recycle or disposal. Comply with Federal, State and Local regulations regarding reporting of spills and disposal.

## 7. HANDLING AND STORAGE

**HANDLING:** Prevent formation of dust, and avoid dust inhalation. Use only in well ventilated areas. Any deposit of dust that cannot be avoided must be regularly removed. DO NOT use compressed air or dry sweeping to remove dust from work area. Wash thoroughly with plenty of water.

**STORAGE:** Store in dry area in closed containers. Protect from high humidity and water.

Store receptacle in a well ventilated area.

Store away from oxidizing agents. Store away from foodstuffs.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Under normal working conditions below acceptable exposure guidelines, none is required. For concentrations above the PEL but less than 10X the PEL, a NIOSH/OSHA approved dust mist respirator should be worn. Appropriate respirator selection will be dependent upon the magnitude of exposure and should be selected in accordance with 29 CFR 1910.134 (See Section 3 for PEL (OSHA) and TLV (ACGIH) exposure limits).

**SKIN PROTECTION:** Protective gloves, as needed, to prevent skin contact.

**EYE PROTECTION:** Safety-glasses with side shields or goggles to prevent dust and particles from entering the eye. See OSHA 29 CFR 1910.133.

**OTHER:** Under dusty conditions, employees should wear coveralls or other suitable work clothing. Contaminated clothing must be vacuumed before removal. DO NOT REMOVE dust from clothing by blowing or shaking. Keep away from foodstuff, beverages and feed.

**ENGINEERING CONTROLS:** Use general ventilation. Local exhaust may be necessary for processes which generate large quantities of airborne dust. Keep exposures below applicable OSHA PEL's and ACGIH-TLV's.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Formula	Al <sub>2</sub> O <sub>3</sub>
Boiling Point	Not Applicable
Melting Point	2050°C
Specific Gravity (H <sub>2</sub> O = 1)	3.95
Percent Volatile	0
Evaporation Rate	None
Solubility in Water	Insoluble
Solubility in Alcohol	None
pH (10% slurry)	Not applicable
Appearance/Odor	Brown solid or powder/odorless



## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal ambient conditions of temperature and pressure.

**THERMAL DECOMPOSITION:** No decomposition if used and stored to specifications.

**POSSIBLE HAZARDOUS REACTIONS:** Reacts with strong acids, oxidizing agents, and with strong alkali.

**CONDITIONS TO AVOID & INCOMPATIBLE MATERIALS:** No further relevant information available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic metal oxide smoke.

## 11. TOXICOLOGICAL INFORMATION

**EYE:** Particulate matter may cause physical injury to the eye.  
**SKIN:** May cause minor irritation.  
**INHALATION:** May cause respiratory irritation through single use.  
May cause damage to lungs or pulmonary disease through prolonged/repeated exposure to dust.  
Minor component titanium dioxide (TiO<sub>2</sub>) is suspected of causing cancer via inhalation.  
**INGESTION:** Ingestion of large quantities may result in gastrointestinal irritation and eventually interference with phosphate absorption which results in rickets.

## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Generally not hazardous for water.  
**Persistence & Degradability:** Inorganic, is not eliminable from water by means of biological cleaning processes.  
**Bioaccumulative Potential:** Does not accumulate in organisms.  
**Mobility In Soil:** No further relevant information available

## 13. DISPOSAL CONSIDERATIONS

Dispose of according to applicable federal, state and local regulations.

## 14. TRANSPORT INFORMATION

U.S. Department of Transportation (D.O.T.): Not Regulated as a Hazardous Material  
D.O.T. HAZARD CLASS (49 CFR 172.101): N/A  
D.O.T. PROPER SHIPPING NAME (49 CFR 172.101): N/A  
D.O.T. LABELS REQUIRED (49 CFR 172.101): N/A  
D.O.T. PLACARDS REQUIRED: N/A  
IMDG: **Not Regulated under IMDG (is not hazardous cargo for sea transportation).**

## 15. REGULATORY INFORMATION

**TSCA:** Aluminum Oxide is listed on the TSCA (Toxic Substance Control Act) inventory under CAS# 1344-28-1.





**EPCRA Section 302 (EHSs):** This product does not contain ingredients subject to reporting requirements of 40 CFR Part 355, Appendices A and B (Extremely Hazardous Substances).

**CERCLA, Section 304:** This product does not contain ingredients subject to state and local reporting under Section 304 of SARA Title III as listed in 40 CFR Part 302 Table 302.4.

**SARA 313 REPORTING REQUIREMENTS:** This product does not contain ingredients subject to the reporting requirements of Section 313 SARA, and Section 5607 of the Pollution Prevention Act.

**SARA HAZARD CATEGORY:** This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and by definition meets the requirements of the following category: *Acute Health Hazard*

<b>16. OTHER INFORMATION &amp; LAST REVISION DATE</b>
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**KEY:**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
DOT	Department of Transportation
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods
MSHA	Mine Safety and Health Administration
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
SARA	Superfund Amendment and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act

**DISCLAIMER:**

Although reasonable care has been taken in the preparation of the information contained herein, the originator and **Graystar\*LLC** extends no warranties, makes no representation and assumes no responsibility as to the accuracy of suitability of such information for application to the purchaser's intended purposes or for consequences of its use.

**LAST REVISION DATE: January 05, 2016**





# SILICON CARBIDE POWDER UK\SiC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 03/18/2015

Supersedes: 02/10/2014

Version: 1.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product Identifier

**Product Name:** SILICON CARBIDE POWDER UK\SiC F-, P-, JIS-

**Synonyms:** Silicon Carbide, FEPA-F, P-Grade, JIS-Grade

**Note:** The hazards on this document apply only to conditions in which dust is suspended in the air. If proper ventilation is maintained and dust is kept to a minimum, the hazards are not expected to apply. See section 8 for Exposure Controls.

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Lapping/Grinding/Polishing

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Company

UK Abrasives, Inc.

3045 MacArthur Blvd.

Northbrook, IL 60062

(847) 291-3566

### 1.4. Emergency Telephone Number

**Emergency Number** : (847) 291-3566

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### Classification (GHS-US)

Comb. Dust

### 2.2. Label Elements

#### GHS-US Labeling

**Signal Word (GHS-US)** : Warning

**Hazard Statements (GHS-US)** : May form combustible dust concentrations in air

### 2.3. Other Hazards

**Other Hazards Not Contributing to the Classification:** Contact with particles may cause mechanical irritation of the skin with itching, redness, swelling, or rash; or irritation of the eyes with tearing, pain, or blurring of vision. Inhalation of dried-down material may cause irritation of the upper respiratory passages.

### 2.4. Unknown Acute Toxicity (GHS-US) Not applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Silicon carbide	(CAS No) 409-21-2	97 - 100	Not classified
Graphite	(CAS No) 7782-42-5	0 - 3	Combustible dust may form in air

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**First-aid Measures General:** If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** Go into open air and ventilate suspected area. If you feel unwell, seek medical advice.

**First-aid Measures After Skin Contact:** The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. Do not rub; the dust is abrasive and may cause mechanical irritation.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Obtain medical attention.

**First-aid Measures After Ingestion:** Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries After Inhalation:** Dust from this product may cause irritation to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** Prolonged contact with large amounts of dust may cause mechanical irritation.

**Symptoms/Injuries After Eye Contact:** Dust may cause eye irritation.

**Symptoms/Injuries After Ingestion:** May be harmful if swallowed.

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**Chronic Symptoms:** Long term exposure to graphite dust (a component of this product) may cause Pneumoconiosis (Black lung disease), which causes shortness of breath that gets progressively worse and may result in lung damage.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures. Emits toxic fumes under fire conditions.

**Explosion Hazard:** Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

### 5.3. Advice for Firefighters

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe dust. Avoid contact with eyes, skin, clothing. Avoid generating dust. Keep away from open flames, hot surfaces and sources of ignition. No smoking.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Eliminate ignition sources.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. If possible, stop flow of product.

### 6.2. Environmental Precautions

No additional information available

### 6.3. Methods and Material for Containment and Cleaning Up

**Methods for Cleaning Up:** Avoid generation of dust during clean-up of spills. Use only non-sparking tools.

### 6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

### 7.3. Specific End Use(s)

Lapping/Grinding/Polishing

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

Silicon carbide (409-21-2)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.1 fibers/cm <sup>3</sup> (as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Graphite (7782-42-5)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (all forms except graphite fibers)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	2.5 mg/m <sup>3</sup> (natural)
USA IDLH	US IDLH (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (synthetic)



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### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Provide adequate ventilation to minimize dust concentrations. Take precautionary measures against static discharges. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

#### Personal Protective Equipment

: Gloves. Safety glasses. Dust formation: dust mask.



#### Hand Protection

: Impermeable protective gloves.

#### Eye Protection

: Chemical goggles or safety glasses.

#### Skin and Body Protection

: Wear suitable protective clothing.

#### Respiratory Protection

: Use NIOSH-approved dust mask if dust has the potential to become airborne.

#### Other Information

: When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Black/Green Granular Material or Powder
Odor	: Odorless
Odor Threshold	: No data available
pH	: No data available
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting/Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: 3.2 (water = 1)
Solubility	: Insoluble
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available
Explosive Limits	: Not applicable

### 9.2. Other Information

Particle Size	: From 8 to 1200 mesh
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## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.
- 10.2 Chemical Stability:** The product is stable at normal handling and storage conditions.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Avoid creating or spreading dust. Sparks, heat, open flame and other sources of ignition.
- 10.5 Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). Silicon oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not classified

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

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**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Dust from this product may cause irritation to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** Prolonged contact with large amounts of dust may cause mechanical irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** May be harmful if swallowed.

**Chronic Symptoms:** Long term exposure to graphite dust (a component of this product) may cause Pneumoconiosis (Black lung disease), which causes shortness of breath that gets progressively worse and may result in lung damage.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity** No additional information available

**12.2. Persistence and Degradability** Not established.

**12.3. Bioaccumulative Potential** Not established.

**12.4. Mobility in Soil** No additional information available

**12.5. Other Adverse Effects** No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

**14.1. UN Number** Not regulated for transport

**14.2. UN Proper Shipping Name** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

**15.1 US Federal Regulations**

**Silicon carbide (409-21-2)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Graphite (7782-42-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2 US State Regulations**

**Silicon carbide (409-21-2)**

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) List

**Graphite (7782-42-5)**

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - New York - Occupational Exposure Limits - Mineral Dusts

U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: OTHER INFORMATION

**Revision date** : 02/10/2014

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**

Comb. Dust	Combustible Dust
Comb. Dust	May form combustible dust concentrations in air

*This data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.*

SDS US (GHS HazCom)





# SAFETY DATA SHEET

Date revised: 06/16/16

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Fossil Shell Flour®** Formula: **SIO2**  
 Generic Name: Diatomaceous Earth EINECS: 310-127-6  
 Chemical Family: Silicates CAS: 61790-53-2  
**Manufacturer:** Perma-Guard, Inc.  
 Address: 60 N Cutler Drive, Unit 202 **Emergency:** Chemtrec USA (800) 424-9300  
 North Salt Lake State, UT Zip: 84054 International: +01 (703) 527-3887 Collect

## 2. HAZARD IDENTIFICATION

### 2.1 GHS Classification:

Physical and chemical hazards: No Classification  
 Human Health: No Classification  
 Environment: No Classification

### 2.2 Label elements:

Pictogram: None  
 Signal Word: None  
 Hazard Statement: None  
 Precautionary Statements: None

**Summary:** Prolonged and repeated exposure to excessive concentrations of this product's dust or any nuisance dust can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. **This product has not been classified as a carcinogen by NTP or IARC.**

## 3. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS Number:	%
NATURAL DIATOMACEOUS EARTH (DE)	61790-53-2	100
Diatomaceous Earth AMORPHOUS SILICA		(uncalcined) 6 mg/M3 TOTAL DUST, MSHA 10 mg/M3 TOTAL DUST, ACGIH

## 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Drink water to clear throat. Blow nose to clear dust.  
**Eyes:** Flush eyes with large quantities of water. If irritation persists contact a physician.  
**Skin Contact:** NA **Skin Absorption:** NA **Ingestion:** NOT HAZARDOUS WHEN INGESTED

## 5. FIRE FIGHTING MEASURES

**Flash Point:** Non-Flammable **Flammable Limits:** LEL: NA UEL: NA  
**Extinguishing Media:** NA **Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None **Auto Ignition Temperature:** None  
**NFP Flammable/Combustible Liquid Classification:** NA

## 6. ACCIDENTAL RELEASE MEASURES

**Procedures for Spill/Leak:** Vacuum Clean dust with equipment fitted with HEPA filter. Use a dust suppressant such as water if sweeping is necessary.

## 7. HANDLING AND STORAGE

Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Seal broken bags immediately Continue to follow all SDS/Label warnings when handling empty containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Goggles:** Goggles or Safety Glasses with Side Shields are recommended .

**Gloves:** Not normally required. **Respirator:** <10X PEL. Use an N95 Quarter or half mask respirator: <50X PEL, use a full face respirator equipped the N95 filters, <200X PEL, use a powder air purifying respirator (positive pressure) with N95 filters, Type C supplied air respirator (Continuous flow mode).

**Ventilation:** Use Sufficient Natural or Mechanical ventilation to keep dust level below PEL.

**MSHA PEL**—6 mg/M3 total nuisance dust (uncalcined Diatomaceous Earth)

**ACGIH TLV**– 10 mg/M3 Total Dust

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odor:** fine white powder, no odor

**Boiling Point:** NA

**Vapor Pressure:** NA

**Water Solubility (%):** NA

**Evaporation rate:** NA

**Melting Point:** ND

**Vapor Density:** NA

**Specific Gravity (water =1):** 2.2

**% Volatile by Volume:** NIL

**PH:** 7.5-9.0

## 10. STABILITY and REACTIVITY

**Material is Stable**

Hazardous Polymerization cannot occur

**Chemical incompatibilities:** Hydrofluoric Acid **Conditions to Avoid:** None in designed use

## 11. TOXICOLOGY INFORMATION

**Summary:** Prolonged and repeated exposure to **excessive** concentrations of this product's dust, or any nuisance dust, can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. This product **has not** been classified as a carcinogen by NTP or IARC.

## 12. ECOLOGICAL INFORMATION

Generally considered chemically inert in the environment. Used material that has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

## 13. DISPOSAL CONSIDERATIONS

Waste is not hazardous as defined by RCRA (40 CFR 261). Other state and local regulations may vary, consult local agencies as needed. Used material that has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

## 14. TRANSPORTATION INFORMATION

**D.O.T. Proper Shipping Name:** Earth, Diatomaceous, Crude or Ground.

**Hazard Classification:** Not Restricted

**Reportable quantities:** NA

**UN (United Nations):** NA

**(North America) Number:** NA

## 15. REGULATORY INFORMATION

**OSHA:** Hazard Communications Standard, 29 CFR 1910.1200: Material considered hazardous, see section 3

**RCRA:** This material is not defined as hazardous waster per 40 CFR 261

**TSCA:** This material is listed in the TSCA inventory and is not otherwise regulated by TSCA Sec 4,5,6,7 or 12

**CERCLA:** Material is not reportable under CERCLA, local requirements may vary

**SARA:** 311/312 hazard categories-Immediate and delayed health, 313 reportable ingredients: None

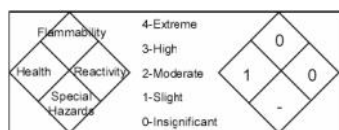
**CANADA:** This product is listed on the DSL

**CALIFORNIA:** Proposition 65, Not Applicable

**EU Regulation (EC) N ° 1272/2008:** This material is labeled and supported accordingly with GHS standards

**European Existing Chemicals (EINECS):** All of the components of this product are included on EINECS

## 16. OTHER INFORMATION



NFPA FIRE HAZARD SYMBOL™  
See NFPA 704 for detailed explanation.



HEALTH	* 1
FLAMMABLE	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E