

## Steel-Magic® Blast Abrasive

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision date: 11/13/2015 Supersedes: not applicable Version: 1.0

## SECTION 1: Identification of the substance/mixture

### Product Identifier

**Product form:** Plastic Abrasive

**Substance name:** Magic® II Composite Blast Media (Type VIII)

**CAS No.:** 65997-17-3 1317-61-9 1309-37-1 1344-28-1 9003-08-1 9004-34-6 9011-05-6 1318-93-0

**Formula:** SiO<sub>2</sub> AL<sub>2</sub>O<sub>3</sub>

**Synonyms:** Dense Particle Abrasive

### Intended Use Of The Product

**Use of the substance/mixture:** Depainting

### Name, Address, And Telephone Of The Responsible Party

US Technology Media Inc.

509 Water ST., Bolivar OH. 44612

330-455-1181

### Emergency telephone number

Emergency number : 330-874-3094

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call US TECHNOLOGY – Day or Night

## SECTION 2: Hazards identification

### Classification of the substance or mixture

#### GHS-US classification

Eye Irrit. 2A H319



#### Label elements GHS-US labeling

**Hazard statements (GHS-US)** : H319 - Abrasive Dust irritant: Causes serious eye irritation

**Precautionary statements (GHS-US)** : P280 - Wear PPE - Dust mask and eye protection.

## SECTION 3: Composition/information on ingredients

### Substances

Name	Product Identifier	%	GHS-US classification
Fused Soda-Lime Oxide	(CAS No.) <b>65997-17-3</b>	>1%	Dense Particle Abrasive
Synthetic Black Iron Oxide	1317-61-9	>1%	Dense Particle Abrasive
Specular Hematite	<b>1309-37-1</b>	>1%	Dense Particle Abrasive
Aluminum Oxide	<b>1344-28-1</b>	>2%	Dense Particle Abrasive
Polymerized Urea-Melamine Formaldehyde Compound w/Montmorillonite Clay & Alpha Cellulose Filler	9003-08-1 9004-34-6 9011-05-6 1318-93-0	>1%	Dense Particle Abrasive

## SECTION 4: First aid measures

### Description of first aid measures

**First-aid measures general:** If material is airborne, remove person from exposure.

**First-aid measures after inhalation:** Go to well ventilated area, keep in a position for comfortable breathing, call Physician if symptoms persist.

**First-aid measures after skin contact:** Flush skin with water and soap.

**First-aid measures after eye contact:** Rinse cautiously for several minutes with water, remove contact lenses, if possible.

**First-aid measures after ingestion:** Rinse mouth.

**Most important symptoms and effects, both acute and delayed**

**Symptoms/injuries:** Eye irritation.

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**Symptoms/injuries after skin contact:** Skin rash.

**Symptoms/injuries after eye contact:** Causes serious eye irritation.

**Indication of any immediate medical attention and special treatment needed**

If medical advice is needed, have product container or label at hand.

### **SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media:** Alcohol foam, water, carbon dioxide, dry chemical.

**Unsuitable extinguishing media:** None.

**Special hazards arising from the substance or mixture**

**Fire hazard:** Highly flammable liquid and vapor.

**Explosion hazard:** Flame will form toxic vapors; avoid inhalation of smoke or vapors.

**Advice for firefighters**

**Firefighting instructions:** Exercise caution when fighting any chemical fire.

**Protection during firefighting:** Firefighters should wear full protective gear with independent breathing air.

### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**General measures:** Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing. Use only in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

**For non-emergency personnel**

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

**Emergency procedures:** Evacuate unnecessary personnel.

**For emergency responders**

**Protective equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Ventilate area.

**Environmental precautions**

Prevent entry to sewers and public waters.

**Methods and material for containment and cleaning up**

**For containment:** Contain spill, then place in suitable container. Sweep or vacuum.

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

**Reference to other sections**

See heading 8, Exposure Controls and Personal Protection.

### **SECTION 7: Handling and storage**

**Precautions for safe handling**

**Additional hazards when processed:** None.

**Precautions for safe handling:** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing. Use only in a well-ventilated area. Wear recommended personal protective equipment.

**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.

**Conditions for safe storage, including any incompatibilities**

**Technical measures:** None.

**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.

**Incompatible materials:** Heat sources.

**Storage area:** Keep in dry place.

**Special rules on packaging:** None.

**Specific end use(s):** Filler.

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## SECTION 8: Exposure controls/personal protection

### Control parameters

<b>Dense Particle Abrasive CAS No.:65997-17-3 1317-61-9</b>	
<b>USA ACGIH</b>	ACGIH TWA (ppm)
<b>USA ACGIH</b>	ACGIH STEL (ppm)
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m3)
<b>USA OSHA</b>	OSHA PEL (TWA) (ppm)

### Exposure controls

Appropriate engineering controls : Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves

Hand protection : Wear protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear Long Sleeve Shirt.

Respiratory protection : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Thermal hazard protection : Wear suitable protective clothing.

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

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state** : Dry powder

**Appearance** : Grey powder

**Color** : Grey

**Odor** : None

**Odor threshold** : No data available

**pH** : No data available

**Relative evaporation rate (butylacetate=1)** : No data available

**Melting point** : 500 °F

**Freezing point** : No data available

**Boiling point** : Not applicable

**Flash Point** : Not applicable

**Auto-ignition temperature** : No data available

**Decomposition Temperature** : No data available

**Flammability (solid, gas)** : No data available

**Vapor pressure** : Not applicable.

**Relative vapor density at 20 °C** : No data available

**Relative density** : No data available

**Density** : No data available

**Solubility** : Insoluble

**Log Pow** : No data available

**Log Kow** : No data available

**Viscosity, kinematic** : No data available

**Viscosity, dynamic** : No data available

**Explosive properties** : No data available

**Oxidizing properties** : No data available

**Explosive limits** : Not applicable

**Other information:** No additional information available

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## SECTION 10: Stability and reactivity

**Reactivity** Non-reactive.

**Chemical Stability** Stable under recommended handling and storage conditions (see section 7).

**Possibility Of Hazardous Reactions** Non-reactive.

**Conditions To Avoid** Avoid ignition sources. Heat. Sparks. Open flame.

**Extremely high or low temperatures. Incompatible Materials** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products** Carbon oxides (CO, CO<sub>2</sub>). May release flammable and toxic gases.

## SECTION 11: Toxicological information

### Information on toxicological effects

Acute toxicity : Not classified

Dense Particle Abrasive CAS No.:65997-17-3 1317-61-9	
LD50 oral rat	No Data Available
LD50 dermal rabbit	No Data Available
LC50 inhalation rat (mg/l)	No Data Available

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** Not classified

**Germ cell mutagenicity:** Not classified

**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:** Causes coughing.

**Symptoms/injuries after eye contact:** Causes serious eye irritation.

**Symptoms/injuries after ingestion:** Ingestion may cause nausea, vomiting.

## SECTION 12: Ecological information

### Toxicity

Dense Particle Abrasive CAS No.:65997-17-3 1317-61-9	
LC50 fishes 1	No Data Available
EC50 Daphnia 1	No Data Available
LC50 fish 2	No Data Available
EC50 Daphnia 2	No Data Available

### Persistence and degradability

Dense Particle Abrasive CAS No.:65997-17-3 1317-61-9	
Persistence and degradability	Not

### Bioaccumulative potential

Dense Particle Abrasive CAS No.:65997-17-3 1317-61-9	
BCF fish 1	No Data Available
Log Kow	No Data Available
Bioaccumulative potential	Not established

### Mobility in soil

No additional information available

### Other adverse effects

**Other information** : Avoid release to the environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

**Regional legislation (waste):** U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing – 40 CFR261.2

Characteristic solid hazardous waste for Cd if in excess of 1 ppm, Cr if in excess of 5 ppm, or Pb is in excess of 5 ppm.

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## SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

### UN number

UN-No.(DOT) : Not applicable  
 DOT NA no. : Not applicable

### UN proper shipping name

Department of Transportation (DOT) : 1 - Class 1 - Flammable and combustible liquid 49 CFR 173.120  
 Hazard Classes : PLASTIC POWDER  
 Hazardous labels (DOT) : Irritant  
 Packing group (DOT) : 1 - Low Danger  
 DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement:  
 T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
 TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport.

DOT Packaging Exceptions (49 CFR 173.xxx) : No Limitation

DOT Packaging Non Bulk (49 CFR 173.xxx) : No Limitation

DOT Packaging Bulk (49 CFR 173.xxx) : No Limitation

### Additional information

Emergency Response Guide (ERG) Number : No Limitation

Other information : No supplementary information available.

### Transport by sea

DOT Vessel Stowage Location : Below deck  
 MFAG-No. : Not applicable

### Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : Not applicable

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : Not applicable

## SECTION 15: Regulatory information

### US Federal regulations

#### RCRA – Disposal per 40CFR 261.2

Not Listed on the United States TSCA (Toxic Substances Control Act) inventory

### US State regulations

State or local regulations	
	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

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## SECTION 16: Other information

**Indication of changes** : 11/13/2015

**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:

Eye Irrit. 1	Mild eye damage/eye irritation Category 1
H319	Causes serious eye irritation

**NFPA health hazard** : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard** : 0 - Liquids and solids that can be ignited under almost all ambient conditions.

**NFPA reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

### HMIS III Rating

**Health** : 1 Slight Hazard - Irritation or minor reversible injury possible

**Flammability** : 0 Minimal Hazard

**Physical** : 0 Minimal Hazard

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom) - US Only