ALLREDI

Sandblast Steel Grit
Foundry Sands
Empire Blast Equipment
Bullard Safety Equipment
Sandblast Hose & Nozzles
Walnut Shells & Corn Cob Grit
Waterjet & Sandblast Garnet
Schmidt Blast Equipment
Silica Free Abrasives
Steel Shot & Grit
Aluminum Oxide
Glass Beads

SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Identifier: Black Onyx Sandblast Media
Other Means of Identification: Copper Slag
Recommended Use: Sandblasting, Cleaning Rust, Paint or Scale on Steel
Restrictions on Use: None Known
Supplier Identifier: Allredi Blast and Abrasives Canada Inc., 500 Sherman Ave., N., P.O. Box 844 LCD #1, Hamilton, Ontario L8N 3N9 Telephone #905-527-6000 or 1-888-794-5665
Emergency Telephone Number: See above

SECTION 2: HAZARD(S) IDENTIFICATION

Classified According to Canada's Hazardous Products Regulations (WHMIS 2015) and Hazcom 2012.
This Product is not hazardous.
GHS Classifications
Health Hazard: Not Classified
Hazard: Not Classified

Environmental
Physical Hazard: Not Classified

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS NO	Concentration % (w/w)
Slag, Copper Smelting, Iron Silicate, Fayalite	67711-92-6	98.00

SECTION 4: FIRST AID MEASURES

If swallowed, irritation, any type of overexposure or systems of overexposure occur during use of the product or persists after use, immediately contact a **POISON CENTER, an EMERGENCY ROOM, or a PHYSICIAN;** ensure that the product safety data sheet is available.
Inhalation: Remove affected person(s) to fresh air. Apply oxygen if difficulty breathing and consult a Professional immediately.
Ingestion: If swallowed, seek medical immediately; ensure that the product container or label is available. Don't induce vomiting unless instructed by medical personnel.
Skin Contact: Wash exposed skin gently with soap and lukewarm water for about 10 minutes. Consult a Physician if discomfort continues.

Eye Contact: Check and remove any contact lens. Immediately flush eyes thoroughly with lukewarm water for at least 15 minutes while holding the eye lid open. Do not rub eyes. If irritation persists, seek medical attention.

Most Important Symptoms/Effects, Acute and Delayed: Respiratory tract irritation, skin irritation, eye irritation.

Immediate Medical Attention and Special Treatment: No specific treatment; treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, CO2 water spray (fog) or foam.
Unsuitable Extinguishing Media: Jets of water can facilitate the spread of fire.

Specific Hazards Arising from the Product: This product presents no specific hazards.
Hazardous Combustion Products: None

Special Protective Equipment and Precautions for Fire-Fighters: Wear full protective firefighting gear. Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate clothing and respiratory protection (see Section 8). Avoid breathing vapor or mist.

Environmental Precautions: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Use inert absorbent or retention tubes in the event of a large spill.

Methods for Containment and Cleaning Up: Stop leak without risk. Remove containers from the spill area. Avoid generating dust. Collect spillage by using a scoop/shovel or approved HEPA vacuum and place in a suitable container for disposal. Dispose in accordance with proper guidelines.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid inhalation of the vapor or mist. Wear personal protective equipment. Keep the work area clean. Have proper ventilation. Wash thoroughly and use good industrial hygiene practices. Empty containers retain product residue. Do not reuse container.

Conditions for Safe Storage: Store in properly closed containers. Keep dry. Properly reseal opened containers to prevent leakage. All containers require proper labels.

Incompatibility: Strong acids and strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Common Name/Synonyms	CAS NO
Slag, Copper Smelting, Iron Silicate, Fayalite	67711-92-6

ALBERTA -			
8 hr. occupational exposure limit (TWA)	-	ppm / mg/m3	- **N/A**
15 min. occupational exposure limit (STEL)	-	ppm / mg/m3	- **N/A**
Ceiling occupational exposure limit	-	ppm / mg/m3	- **N/A**
BRITISH COLUMBIA -			
8 hr. occupational exposure limit (TWA)	-	ppm / mg/m3	- **N/A**
15 min. occupational exposure limit (STEL)	-	ppm / mg/m3	- **N/A**
Ceiling occupational exposure limit	-	ppm / mg/m3	- **N/A**
ONTARIO -			
8 hr. occupational exposure limit (TWA)	-	ppm / mg/m3	- **N/A**
15 min. occupational exposure limit (STEL)	-	ppm / mg/m3	- **N/A**
Ceiling occupational exposure limit	-	ppm / mg/m3	- **N/A**
QUEBEC -			
8 hr. occupational exposure limit (TWA)	-	ppm / mg/m3	- **N/A**
15 min. occupational exposure limit (STEL)	-	ppm / mg/m3	- **N/A**
Ceiling occupational exposure limit	-	ppm / mg/m3	- **N/A**
SASKATCHEWAN -			
8 hr. occupational exposure limit (TWA)	-	ppm / mg/m3	- **N/A**
15 min. occupational exposure limit (STEL)	-	ppm / mg/m3	- **N/A**
Ceiling occupational exposure limit	-	ppm / mg/m3	- **N/A**
UNITED STATES –			
IDLH NIOSH			- **N/A**
Regulatory Limits – OSHA PEL	-	ppm / mg/m3	- **N/A**
Regulatory Limits – California / OSHA PEL – 8 hr. TWA STEL Ceiling			- **N/A**
Recommended Limits – NIOSH REL – up to 10 hr. TWA STEL Ceiling			- **N/A**
Recommended Limits – ACGIH 2019 TLV – 8 hr. TWA STEL Ceiling			- **N/A**

IDHL – Immediately Dangerous to Life or Health Concentrations
NIOSH – National Institute for Occupational Safety and Health
OSHA – Occupation Safety and Health Administration
PEL – Permissible Exposure Limits
California / OSHA – California Division of Occupational Safety and Heath
REL – Recommended Exposure Limits
ACGIH – American Conference of Governmental Industrial Hygienists
TLV – Threshold Limit Values

Appropriate Engineering Controls: Not Applicable

Individual Protection Measures
Eye/Face Protection: Wear safety glasses with side shields. Use tight fitting goggles if dust is generated. Do Not wear contact lens.
Skin Protection: Use protective gloves. Wear suitable protective clothing. Practice proper Hygiene Measures. Wash Clothing before reusing.
Respiratory Protection: Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4

Comments: Proper and safe use of the material is solely the purchaser's responsibility. Allredi Blast and Abrasives Canada Inc. extends no warranties and makes no representations as to the suitability of the product for the purchaser's intended purpose or the consequences of purchaser's actions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black, solid
pH: Not Applicable
Odor: None
Melting / Freezing Point: > 1000 oC (1832 oF)
Initial boiling point / boiling range: Not Applicable
Flash point: Not Applicable
Flammability (Solid, Gas): Not Applicable
Lower flammable / explosive limit: Not Applicable
Upper flammable / explosive limit: Not Applicable
Auto-Ignition Temperature: Not Applicable
Evaporation rate: Not Applicable
Vapor Pressure: Not Applicable
Vapor Density: Not Applicable
Specific Gravity: 4,161 kg/L at 20oC (water = 1)
Solubility in water: Not Applicable
Partition Coefficient – n-octanol/water (Log Kow): Not Applicable
Decomposition Temperature: Not Available
Kinematic Viscosity: Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under recommended conditions of storage and handling
Chemical Stability: Product is stable and non-reactive under normal conditions of use.
Possibility of Hazardous Reactions: No dangerous or polymerization reactions will occur under normal use conditions.
Conditions to Avoid: Keep away from incompatible products (see section 7)
Incompatible Materials: None known
Hazardous Decomposition Products: None

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: This product is absorbed by the digestive tract.

	Oral	Dermal	Inhalation gases	Inhalation vapors	Inhalation Dust/Mist
ATEmix	>5 000 mg/kg	>5 000 mg/kg	N/A	N/A	> 5 mg/l

Common Name/Synonyms	CAS NO
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LD50 oral mg/kg - > 5000
LD50 skin mg/kg - > 5000
LC50 inhalation ppmV 4h – gases – N/A
LC50 inhalation mg/l 4h – vapors – N/A
LC50 inhalation mg/l 4h – dusts-mist - >5.00

Symptoms: None Known

Delayed and Immediate Effects: Product dust may cause mechanical irritation of the eyes and respiratory tract.

Aspiration Hazard: N/A

Skin Corrosion/Irritation: N/A

Serious Eye Damage/Irritation: N/A

STOT (Specific Target Organ Toxicity) – Single Exposure: N/A

STOT (Specific Target Organ Toxicity) – Single Exposure Category 3 Narcotic Effects: N/A

STOT (Specific Target Organ Toxicity) – Single Exposure Category 3 Respiratory Irritation: N/A

STOT (Specific Target Organ Toxicity) – Repeated Exposure: N/A

Respiratory and/or Skin Sensitization: N/A

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IARC – 2A
ACGIH – N/A
Mutagenicity – No effects shown
Effect on Reproduction – No effects shown

Cancer Classification under IARC (International Agency for Research on Cancer)

Group 1: Carcinogenic to humans
Group 2A: Probably Carcinogenic to humans
Group 2B: Possibly Carcinogenic to humans
Group 3: Not Classifiable as to its carcinogenicity to humans
Group 4: Probably not carcinogenic to humans

Cancer Classification under ACGIH (American Conference of Governmental Industrial Hygienists)

Group A1: Confirmed human carcinogen
Group A2: Suspected human carcinogen
Group A3: Confirmed animal carcinogen with unknown relevance to humans
Group A4: Not classifiable as a human carcinogen
Group A5: Not suspected as a human carcinogen

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
Aquatic Ecotoxicity (Short Term) – no known adverse effect to aquatic life.
Aquatic Ecotoxicity (Long Term) – no known adverse effect to aquatic life.
Terrestrial Ecotoxicity – no known adverse effect to the environment.

Persistence and degradability: N.D.
Bioaccumulative potential: N.D..

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose waste in compliance with Federal, State, Provincial and Local Regulations

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transportation under the U.S. DOT, Canadian TDG, IMDG, or IATA Regulations.

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

NDSL

United States

TSCA

The classification of the product and the SDS were developed in accordance with HPR and HazCom 2012.

SECTION 16: OTHER INFORMATION

Hazardous Material Information System (HMIS):
Health 0
Flammability 0
Physical Hazard 0
Personal Protection A

National Fire Protection Association (NFPA):
Health 0
Flammability 0
Reactivity 0

Date of Preparation: January 1, 2023

Key to Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists
OSHA – Occupational Safety and Health Administration

Disclaimer: The information and recommendations contained herein are based upon data believed to be up to date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for one's own particular use. Since the actual use of the product described herein is beyond our control, we accept no responsibility and disclaim all liability for any harmful effects that may be caused by purchase, resale, use or exposure of the product by others. Appropriate warnings and safe handling procedures should be provided to handlers and users. In particular they are under an obligation to carry out a risk assessment for the particular workplaces and take adequate risk management measures.