



Arctic Aggregates, LLC

Black Pearl Abrasive Media Safety Data Sheet (all screen sizes)

www.arcticaggregates.com 101 Commercial Drive, Suite C Woodbine, GA 31569

Safety Data Sheet

1. Identification of the Substance

Product Identifier

- Product name: Basalt Abrasive Grains
- Synonyms: Sandblast Media
- Trade name: V-Blast, Black Pearl

Name, Address, phone number of the manufacturer

- Arctic Aggregates LLC
101 Commercial Drive
Woodbine, Georgia, USA 31569
www.arcticaggregates.com
Phone Number +1904 549-9001
Emergency Phone Number +1904 549-9001

Recommended uses of the substance

- Industrial Abrasive for Sandblasting
- Other aggregate uses

2. Hazards Identification

Classification in accordance with 29 CFR 1910. 1200

Specific Organ Toxicity – Single Exposure Category 3 (respiratory tract)

Specific Target Organ - Repeated Exposure, Category 1 (lungs)

Signal Word: Danger

Hazard Symbols



Precautionary Statement: May cause damage to lungs (silicosis) through prolonged or repeated exposure.

Prevention: Do not breathe dusts

Response: Get medical advice/attention if you feel unwell.

Disposal: Dispose of contents in accordance with federal, state/provincial and local regulations

Hazards not otherwise classified: None known

Unknown acute toxicity Statement (Mixture): None known

3. Composition/Information on Ingredients

Mineral Name	Chemical Formula	Approx. Weight (%)
Plagioclase Feldspar	$(\text{Na,Ca})\text{Al}(\text{Si,Al})_3\text{O}_8$	50

Clinopyroxene	$\text{Ca}(\text{Mg,Fe,Al})(\text{Si,Al})_2\text{O}_6$	40
Free Silica	SiO_2	<2
Chlorite	$(\text{Mg,Fe,Al})_6(\text{Si,Al})_4\text{O}_{10}(\text{OH})$	<5
Magnetite	$(\text{Fe,Mg,Zn,Cu,Ni})(\text{Fe,Al,Cr})_2\text{O}_4$	<3
Clinoamphibole	$(\text{Na,K})(\text{Ca,Na})_2(\text{Mg,Fe,Al})_5(\text{Si,Al})_8\text{O}_{22}(\text{OH,F})_2$	<2
Unidentified	?	<5

Source: The Mineral Laboratory

4. First Aid Measures

Description of Necessary Measures:

Inhalation: Remove to fresh air. Get medical attention if you feel unwell

Skin: Product is not a skin sensitizer. Wash skin thoroughly with water and soap. Remove contaminated clothing. Get medical attention if symptoms occur.

Eyes: Immediately flush eyes with water for several minutes. Remove contact lenses, if possible. Do not rub eyes. Continue rinsing. If irritation persists, get medical attention.

Ingestion: If large amount is swallowed, rinse out mouth. Give water to drink. Do not induce vomiting, Get medical attention if symptoms occur.

Most Important Symptoms/Effects, Acute and Delayed (Chronic)

Acute Effects:

Inhalation: Excessive exposure to high concentrations of dust may cause silicosis, a lung disease.

Eye: Excessive exposure to high concentrations of dust may cause irritation to the eyes.

Skin: Skin contact with dusts may cause irritation or dermatitis.

Ingestion: Ingestion of dust may cause nausea and/or vomiting

Chronic Effects:

Respirable crystalline silica may also cause lung cancer, chronic obstructive pulmonary disease (COPD), and kidney disease.

5. Fire Fighting Measures – Negligible Fire Hazard

Suitable (and Unsuitable) Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.

Specific Hazards Arising from the Chemical: Not applicable for solid product

Hazardous Combustion Products: None known

Special Protective Equipment and Precautions for Firefighters: Wear full protective firefighting gear including self-contained breathing apparatus(SCBA) for protection against possible exposure to fumes and/or smoke from the fire. Do not release runoff from the fire control methods to sewers or waterways.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: For spills involving finely divided particles, clean-up personnel should be protected against contact with eyes and skin. If material is in a dry state, avoid inhalation of dust. Fine, dry material should be removed by vacuuming or wet sweeping methods to prevent the spreading of dust. Avoid using compressed air to sweep surfaces. Do not release into sewers or waterways.

Methods and Materials for Containment and Clean-up: Collect spilled material in appropriate, labeled container for recovery or disposal in accordance with federal, state/provincial and local regulations.

7. Handling and Storage

Precautions for Safe Handling: Do not breathe dust. Wear protective gloves/protective clothing/eye protection, as applicable. Emergency safety shower and eye wash stations should be present.

Conditions for Safe Storage, Including any Incompatibilities: Store away from incompatibles such as strong acids and bases.

8. Exposure Controls/Personal Protection

Component Exposure Limits:

Crystalline silica: .05mg/m³ TWA (time-weighted average based on 8h/day, 40h/week exposures).

Appropriate Engineering Controls: Local exhaust ventilation should be used to control the emissions of air contaminants to below exposure limits. General dilution ventilation may assist with the reduction of air contaminant concentrations. Emergency eye wash stations and deluge safety showers should be available in the work area.

Respiratory Protection:

For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29CFR 1910.134) and, if necessary, use only a NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for the given working conditions, level of airborne contamination and presence of sufficient oxygen. Concentration in air of the various contaminants determines the extent of respiratory protection needed.

Eyes: Wear eye/face protection. Chemical goggles, face shields or glasses should be worn to prevent eye contact. Contact lenses should not be worn where particulate exposure to this material is likely to occur.

Skin: Persons handling this product should wear appropriate clothing to prevent skin contact. Take off contaminated clothing and wash before reuse. Contaminated clothing should not be allowed outside of the workplace. Wear protective gloves.

9. Physical and Chemical Properties

Information on Physical and Chemical Properties:

Physical Form: Solid

Appearance: Small dark grains

Color: dark gray/black

Odor: Odorless

Boiling Point:

Melting Point:

Flash Point:

Flammability:

Vapor Pressure:

VOC (% by weight):

Density:

Viscosity:

Water Solubility:

Other Information: No additional physical and chemical properties noted.

10. Stability and Reactivity

Reactivity: No reactivity hazard is expected

Chemical Stability: Product is stable at normal temperature and pressure

Possibility of Hazardous Reaction: None known

Conditions to Avoid: Storage with incompatible materials. Flames and ignition sources where dust can accumulate.

Incompatible Materials: Strong acids and bases.

Hazardous Decomposition Products: None known.

11. Toxicological Information

Acute Toxicity Values:

Crystalline Silica (<2%):

Acute Toxicity: Fibrosis Cough, Dyspnea, Carcinogen

Skin (Dermal): May cause irritation.

12. Ecological Information

Ecotoxicity: Product is not classified as environmentally hazardous.

Persistence and Degradability: No available data for Product.

Bioaccumulative Potential: No data available for Product

Mobility: No data available for Product

13. Disposal Considerations

Disposal Methods: Dispose in accordance with all applicable regulations. Observe safe handling procedures.

14. Transport Information

Product does not have a Transport Dangerous Goods (TDG) Classification

U.S. Department of Transportation, DOT (49 CFR 172.101):

Shipping name: Product is not regulated.

International Marine dangerous Goods (IMDG):

Shipping name: Product is not regulated.

15. Regulatory Information

SARA Hazard Classifications:

Plagioclase feldspar – CAS 68476-25-5

Quartz – CAS 14808-60-7

Cristobalite – CAS 14464-46-1

Tridymite – CAS 15468-32-3

Magnetite – CAS 1309-38-2

Warning: This product contains a chemical known to the State of California to cause cancer.

16. Other Information

Date of Issue: 16 April, 2025

Version 4.0

MSDS Prepared for: Arctic Aggregates, LLC

