



SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200) - GHS Classification

A Safety Data Sheet is not legally required for this product under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The following information is provided as a courtesy service to our customers.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

| | |
|---------------|------------------------------|
| Chemical Name | Not applicable. |
| Trade Name | U.S. Minerals Glass Abrasive |
| CAS No. | Mixture |

Relevant identified uses of the substance or mixture and uses advised against

| | |
|----------------------|----------|
| Identified Use(s) | Abrasive |
| Uses Advised Against | None. |

Details of the supplier of the safety data sheet

| | |
|------------------------|--|
| Company Identification | U.S. Minerals 18635 West Creek Drive Tinley Park, IL 60477 |
| Telephone | 1-281-647-2705 |

| | |
|---------------------------|--|
| E-Mail (competent person) | info@us-minerals.com |
|---------------------------|--|

Emergency telephone number

| | |
|---------------------|--|
| Emergency Phone No. | (800) 803-2803 (Monday – Friday; 8:00 AM – 5:00 PM Central Time Zone) |
|---------------------|--|

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

| | |
|--|--|
| OSHA HCS (29 CFR 1910.1200) / GHS Classification | Hazard Not Otherwise Classified (HNOC) - Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes. |
|--|--|

Label elements

| | |
|---------------------|---|
| Hazard Symbol | None |
| Hazard Statement(s) | Prolonged and repeated exposures to fine particles may cause: Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes. |

| | |
|----------------------------|------|
| Precautionary Statement(s) | None |
|----------------------------|------|

Other hazards

None anticipated

Additional Information

Warning - substance not yet tested completely.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

| Hazardous Ingredient(s) | %W/W | CAS No. | Hazard Statement(s) |
|---|------|---------|---|
| Glass oxides of silicon, calcium, sodium, aluminum, iron, magnesium, and/or potassium | 100 | ----- | Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes. |

Additional Information – This product, as supplied, contains <0.1% crystalline silica.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

| | |
|--------------|--|
| Inhalation | Unlikely to be required but if necessary treat symptomatically. |
| Skin Contact | Unlikely to be required but if necessary treat symptomatically. |
| Eye Contact | If substance has gotten into the eyes, wash out with water. Get immediate medical attention. |
| Ingestion | Unlikely to be required but if necessary treat symptomatically. |

Most important symptoms and effects, both acute and delayed None

Indication of any immediate medical attention and special treatment needed None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

| | |
|---------------------------------|---|
| -Suitable Extinguishing Media | Non-combustible. As appropriate for surrounding fire. |
| -Unsuitable Extinguishing Media | None anticipated. |

Special hazards arising from the substance or mixture None
Advice for fire-fighters As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Not normally required.

Environmental precautions Not normally required.

Methods and material for containment and cleaning up Transfer to a container for disposal or recovery.
Reference to other sections None
Additional Information None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Comply with occupational limit values for dust. Ground / bond equipment to prevent build-up of static electricity.

Conditions for safe storage, including any incompatibilities
-Storage temperature Store at room temperature.
-Incompatible materials None

Specific end use(s) Abrasive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

| SUBSTANCE. | CAS No. | LTEL (8 hr TWA mg/m ³) | | STEL (mg/m ³) | | Note: |
|--------------------|-----------|------------------------------------|-----------------------------------|---------------------------|-------------|-----------|
| | | OSHA PEL | TLV (ACGIH) | OSHA PEL | TLV (ACGIH) | |
| Particulate Matter | ----- | 15 [^] / 10 [*] | 10 ^{^^} / 3 [*] | ----- | ----- | See below |
| Calcium Oxide | 1305-78-8 | 5 [^] | 2 [^] | | | See below |
| Aluminum Oxide | 1344-28-1 | 15 [^] / 5 [*] | 1 [*] | | | See below |
| Iron Oxide | 1309-37-1 | 10 ^{**} | 5 [*] | | | See below |
| Magnesium Oxide | 1309-48-4 | 15 ^{**} | 10 ^{^^} | | | See below |

- LTEL: Long Term Exposure Limit; - STEL: Short Term Exposure Limit; - [^]Total Dust / ^{*}Respirable Dust / ^{^^}Inhalable Dust / ^{**}Fume; Cal. OSHA 10 mg/m³.

Recommended monitoring method

NIOSH 0500 / 0600

Exposure controls

Appropriate engineering controls

The following to be used as necessary: Hand tool with integrated exhaust, glove box, local exhaust ventilation, control of release of inhalable and / or respirable particulates / aerosols. For abrasive blasting, refer to OSHA 29 CFR 1910.94(a).

Personal protection equipment

For abrasive blasting, refer to OSHA 29 CFR 1910.94(a).

Eye/face protection



The following to be used as necessary: Complete eye and face protection. Safety spectacles/goggles/full face shield.

Skin protection (Hand protection/ Other)



The following to be used as necessary: Wear suitable protective clothing and gloves.

Respiratory protection



The following to be used as necessary: Supplied-air respirator, air-purifying respirator with N/P-95 cartridge, or filtering-facepiece respirator depending on exposure levels in relation to the above occupational exposure limits.

Thermal hazards

Not normally required.

Environmental Exposure Controls

Not normally required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|--|
| Appearance | Solid |
| Color. | Clear / Colorless, Amber, and / or Green |
| Odor | None |
| Odor Threshold (ppm) | Not applicable |
| pH (Value) | Not applicable |
| Softening Point (°C) | 728 - 732 |
| Melting Point (°C) / Freezing Point (°C) | Not applicable |
| Boiling point/boiling range (°C): | Not applicable |
| Flash Point (°C) | Not applicable |
| Evaporation Rate | Not applicable |

| | |
|---|----------------|
| Flammability (solid, gas) | Non-flammable |
| Explosive Limit Ranges | Not applicable |
| Vapour pressure (Pascal) | Not applicable |
| Vapour Density (Air=1) | Not applicable |
| Density (g/ml) | Varies (-) |
| Specific Gravity | Not applicable |
| Solubility (Water) | Insoluble |
| Solubility (Other) | Not available |
| Partition Coefficient (n-Octanol/water) | Not applicable |
| Auto Ignition Point (°C) | Not available |
| Decomposition Temperature (°C) | Not available |
| Kinematic Viscosity (mPa.s) @ 22°C | Not applicable |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| Other information | Not available |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---------------------------------|
| Reactivity | Stable under normal conditions. |
| Chemical stability | Stable. |
| Possibility of hazardous reactions | None anticipated. |
| Conditions to avoid | None known |
| Incompatible materials | None |
| Hazardous decomposition product(s) | None known |

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Skin Contact, Eye Contact, Inhalation

Information on toxicological effects

| | |
|------------------------|---|
| Acute toxicity | Will not occur. |
| Irritant | Mechanical irritation of the skin and eyes. |
| Sensitization | It is not a skin sensitizer. |
| Repeated dose toxicity | Will not occur. |
| Mutagenicity | Will not occur. |
| Carcinogenicity | Not to be expected. |

| NTP | IARC | ACGIH | OSHA |
|-----|------|-------|------|
| No. | No. | No. | No. |

Other information Warning - substance not yet tested completely. Prolonged and repeated exposures to fine particles may cause: Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes. In addition, inflammation and cell damage in the nose and larynx of laboratory animals has been reported.

SECTION 12: ECOLOGICAL INFORMATION

Substances in preparations / mixtures:

| | |
|--------------------|-----------------|
| Acute toxicity | Will not occur. |
| Long Term Toxicity | Will not occur. |

Persistence and degradability

This product is predicted not to degrade in soil and water.

Bioaccumulative potential

The product has no potential for bioaccumulation.

Mobility in soil

The product is predicted to have low mobility in soil.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice. Used abrasive blasting grit must be characterized before disposal.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

| <u>Category</u> | <u>Land transport (U.S. DOT)</u> | <u>Sea transport (IMDG)</u> | <u>Air transport (ICAO/IATA)</u> |
|-----------------------------|----------------------------------|-----------------------------|--|
| UN number | | | |
| Proper Shipping Name | | | Not classified as dangerous for transport. |

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

RCRA Hazardous Waste Number (40 CFR 261.33): None

US RCRA Hazard Class: None

SARA 311/312 - Hazard Categories: None

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372): None

SARA 302 - Extremely Hazardous Substances: None

Proposition 65 (California): None

SECTION 16: OTHER INFORMATION

Additional Information None

Date of preparation: April 21, 2015

The following sections contain revisions or new statements: 1 - 16

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