



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>USG® Mineral Wool</b>
<b>Other means of identification</b>	
<b>SDS number</b>	75000041001
<b>Synonyms</b>	Slag Wool
<b>Recommended use</b>	May be used in ceiling tile, insulation, asphalt, cementitious reinforcement, friction product, fire protections system, adhesive, filler and other applications.
<b>Recommended restrictions</b>	Use in accordance with manufacturer's recommendations.
<b>Manufacturer / Importer / Supplier / Distributor information</b>	
<b>Company name</b>	USG Interiors, LLC
<b>Address</b>	550 West Adams Street Chicago, Illinois 60661-3637
<b>Telephone</b>	1-800-874-4968
<b>Website</b>	www.usg.com
<b>Emergency phone number</b>	1-800-507-8899

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.

### Label elements

<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	None.
<b>Precautionary statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Get medical attention/advice if you feel unwell.
<b>Storage</b>	Store as indicated in Section 7.
<b>Disposal</b>	Dispose of in accordance with local, state, and federal regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.

## 3. Composition/information on ingredients

### Mixtures

<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
Slag wool fiber	N/A	100

<b>Composition comments</b>	All concentrations are in percent by weight unless ingredient is a gas. European Commission (EC) Annex number for Slag Wool Fibers: 650-016-00-2
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## 4. First-aid measures

<b>Inhalation</b>	Product can irritate the respiratory system and may cause coughing and difficulties in breathing. Move affected person to fresh air and keep person calm under observation. Get medical attention if symptoms persist.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. If irritation persists get medical attention.
<b>Eye contact</b>	Do not rub or scratch eyes. Flush thoroughly with water. Get medical attention if irritation occurs.
<b>Ingestion</b>	This product is not intended to be ingested or eaten. If gastric disturbance occurs, call physician.
<b>Most important symptoms/effects, acute and delayed</b>	Mechanical irritation of skin, eyes and respiratory system. Difficulty in breathing. Redness.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved.

## 5. Fire-fighting measures

**Suitable extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media** Not applicable.

**Specific hazards arising from the chemical** Not a fire hazard.

**Special protective equipment and precautions for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials.

**Specific methods** Cool material exposed to heat with water spray and remove it if no risk is involved.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** See Section 8 of the SDS for Personal Protective Equipment.

**Methods and materials for containment and cleaning up** No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS.

**Environmental precautions** Avoid discharge to drains, sewers, and other water systems.

## 7. Handling and storage

**Precautions for safe handling** Use work methods which minimize dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Slag wool fiber (CAS N/A)	TWA	1 fibers/cm <sup>3</sup>	Fiber, respirable (length > 5 µm and aspect ratio ≥ 3:1)
		5 mg/m <sup>3</sup>	Inhalable fraction.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Slag wool fiber (CAS N/A)	TWA	3 fibers/cm <sup>3</sup>	Fiber, respirable (diameter ≤ 3.5 µm and length ≥ 10 µm)
		5 mg/m <sup>3</sup>	Fiber, total

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear appropriate eye protection to prevent eye contact.

**Skin protection**

**Hand protection** Wear protective gloves.

**Other** Wear appropriate personal protective clothing to prevent skin contact.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

**Thermal hazards** None.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

### Appearance

**Physical state** Solid.  
**Form** Fibrous material  
**Color** Gray.

**Odor** Low odor.

**Odor threshold** Not applicable.

**pH** 9

**Melting point/freezing point** 2200 °F (1204.44 °C)

**Initial boiling point and boiling range** Not applicable.

**Flash point** Not applicable.

**Evaporation rate** Not applicable.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not applicable.

**Flammability limit - upper (%)** Not applicable.

**Explosive limit - lower (%)** Not applicable.

**Explosive limit - upper (%)** Not applicable.

**Vapor pressure** Not applicable.

**Vapor density** Not applicable.

**Relative density** 2.7 - 2.9 (H<sub>2</sub>O=1)

### Solubility(ies)

**Solubility (water)** Insoluble in water.

**Partition coefficient (n-octanol/water)** Not applicable.

**Auto-ignition temperature** Not applicable.

**Decomposition temperature** Not applicable.

**Viscosity** Not applicable.

### Other information

**Bulk density** 175 lb/ft<sup>3</sup>

**VOC (Weight %)** 0 %

## 10. Stability and reactivity

**Reactivity** Not available.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** Hazardous polymerization does not occur.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Strong acids.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	This product is not intended nor expected to be ingested or eaten.
<b>Inhalation</b>	May irritate respiratory system.
<b>Skin contact</b>	May cause irritation through mechanical abrasion.
<b>Eye contact</b>	May cause irritation through mechanical abrasion.

**Symptoms related to the physical, chemical and toxicological characteristics** Mechanical irritation of skin, eyes and respiratory system. Difficulty in breathing. Skin irritation. Redness.

### Information on toxicological effects

<b>Acute toxicity</b>	Low hazard.
<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	Not a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not expected to be mutagenic.
<b>Carcinogenicity</b>	Not expected to cause cancer. See section 16.
<b>Reproductive toxicity</b>	Not expected to be a reproductive hazard.
<b>Specific target organ toxicity - single exposure</b>	No data available, but none expected.
<b>Specific target organ toxicity - repeated exposure</b>	No data available, but none expected.
<b>Aspiration hazard</b>	Due to the physical form of the product it is not an aspiration hazard.
<b>Further information</b>	No other specific acute or chronic health impact noted.

## 12. Ecological information

<b>Ecotoxicity</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent releases can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	Bioaccumulation is not expected.
<b>Mobility in soil</b>	The product is not mobile in soil.
<b>Other adverse effects</b>	None expected.

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose of in accordance with local regulations.

## 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

## 15. Regulatory information

<b>US federal regulations</b>	This product is not hazardous according to OSHA 29CFR 1910.1200.
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**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** This product does not contain a chemical known to the State of California to cause cancer.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

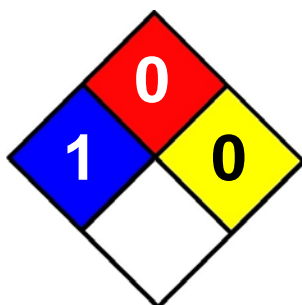
**Issue date** 24-December-2013  
**Revision date** -  
**Version #** 01

**Further information**

Slag Wool Fiber: Large morbidity and mortality studies of both European and North American mineral wool manufacturing workers have been conducted. These studies have found no significant association of non-malignant (i.e. fibrosis) or malignant (i.e., lung cancer or mesothelioma) lung disease and exposures to slag wool fibers and have not established a causal relationship between exposure and malignant diseases. In 2001, the International Agency for Research on Cancer (IARC) assigned slag wool fiber to the Group 3 category ["not classifiable as to carcinogenicity to humans"]. The synthetic mineral fiber used in this product is exonerated from classification as a carcinogen in accordance with Note Q in the EU Commission Directive 97/69/EC. Industrial hygiene testing on workers installing acoustical ceiling panels for an 8 hour work day showed that the average respirable fiber exposure was <0.50 f/cc per NIOSH Method 7400-B (1).

NFPA Ratings:  
Health: 1  
Flammability: 0  
Physical hazard: 0  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA Ratings**



**List of abbreviations**

NFPA: National Fire Protection Association.

**References**

HSDB® - Hazardous Substances Data Bank

1.) A.R. Koenig & C.W. Axten (1995) Exposures to Airborne Fiber and Free Crystalline Silica During Installation of Commercial and Industrial Mineral Wool Products, American Industrial Hygiene Association Journal, 56:10, 1016-1022, DOI:10.1080/15428119591016458

**Disclaimer**

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.