



SAFETY DATA SHEET

1. Identification

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

2. Hazard(s) identification

| | |
|--|--|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| OSHA defined hazards | Not classified. |
| Label elements | |
| Hazard symbol | None. |
| Signal word | None. |
| Hazard statement | None. |
| Precautionary statement | |
| Prevention | Observe good industrial hygiene practices. |
| Response | Get medical attention/advice if you feel unwell. |
| Storage | Store as indicated in Section 7. |
| Disposal | Dispose of in accordance with local, state, and federal regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % |
|----------------------|-------------------|----------|
| Slag wool fiber | N/A | 100 |

Composition comments All concentrations are in percent by weight.

4. First-aid measures

| | |
|---------------------|--|
| Inhalation | 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. |
| Skin contact | Wash skin thoroughly with soap and water. If irritation persists get medical attention. |
| Eye contact | Do not rub or scratch eyes. Flush thoroughly with water. Get medical attention if irritation occurs. |
| Ingestion | This product is not intended to be ingested or eaten. If gastric disturbance occurs, call physician. |

Most important symptoms/effects, acute and delayed 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.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. 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 (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

U.S. - OSHA

Components

| Components | Type | Value | Form |
|-----------------|------|----------------------|--|
| Slag wool fiber | TWA | 5 mg/m ³ | Fiber, respirable (diameter ≤ 3.5 μm and length ≥ 10 μm) |
| | | 15 mg/m ³ | Fiber, total |

US. ACGIH Threshold Limit Values (TLV)

Components

| Components | Type | Value | Form |
|-----------------|------|--------------------------|--|
| Slag wool fiber | TWA | 1 fibers/cm ³ | Fiber, respirable (length > 5 μm and aspect ratio ≥ 3:1) |

US. NIOSH: Pocket Guide to Chemical Hazards

Components

| Components | Type | Value | Form |
|-----------------|------|--------------------------|--|
| Slag wool fiber | TWA | 3 fibers/cm ³ | Fiber, respirable (diameter ≤ 3.5 μm and length ≥ 10 μm) |

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. Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| Hand protection | Wear protective gloves. Suitable gloves can be recommended by the glove supplier. |
| Skin protection | |
| 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 respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. |
| 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 available. |

Upper/lower flammability or explosive limits

| | |
|------------------------------------|-----------------|
| 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 ₂ 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 ³ |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| VOC | 0 % |

10. Stability and reactivity

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|---|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |

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| 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

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

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

| | |
|--|--|
| Acute toxicity | Not expected to be acutely toxic. |
| Skin corrosion/irritation | May cause skin irritation. |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | Not a skin sensitizer. |
| Germ cell mutagenicity | Not expected to be mutagenic. |
| Carcinogenicity | Not expected to cause cancer. See section 16. |

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

| | |
|---|---|
| Reproductive toxicity | Not expected to be a reproductive hazard. |
| Specific target organ toxicity - single exposure | No data available, but none expected. |
| Specific target organ toxicity - repeated exposure | No data available, but none expected. |
| Aspiration hazard | Due to the physical form of the product it is not an aspiration hazard. |
| Further information | No other specific acute or chronic health impact noted. |

12. Ecological information

| | |
|--------------------------------------|--|
| Ecotoxicity | 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. |
| Persistence and degradability | No data available. |
| Bioaccumulative potential | Bioaccumulation is not expected. |
| Mobility in soil | The product is not mobile in soil. |
| Other adverse effects | None expected. |

13. Disposal considerations

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|--|--|
| Disposal instructions | Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly. |
| Local disposal regulations | Dispose of in accordance with local regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose in accordance with local regulations. |

Contaminated packaging Dispose of in accordance with local regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

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

Slag wool fiber (CAS N/A)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply 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 15-July-2024

Version # 02

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 non-malignant or 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



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.