



SAFETY DATA SHEET

1. Identification

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| Product identifier | Industrial Filler No.1 |
| Other means of identification | |
| SDS number | 52000000105 |
| Synonyms | Ground Gypsum |
| Recommended use | General Purpose Filler. |
| 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 | % |
|---|-------------------|----------|
| Calcium sulfate anhydrite | 7778-18-9 | > 70 |
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) | 13397-24-5 | < 30 |

Composition comments All concentrations are in percent by weight.

4. First-aid measures

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| Inhalation | Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist. |
| Skin contact | Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists. |
| Eye contact | Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance. |

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| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | Under normal conditions of intended use, this product is not expected to be a health risk. Dust may irritate throat and respiratory system and cause coughing. |
| 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

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| 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

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| 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 | Vacuum up the spilled material. Vacuums used for this purpose should be equipped with HEPA filters. Containers must be labeled. Collect in approved containers and seal securely. For waste disposal, see Section 13 of the SDS. |
| Environmental precautions | Avoid discharge to drains, sewers, and other water systems. |

7. Handling and storage

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|---|---|
| Precautions for safe handling | Minimize dust production when mixing, or opening and closing bags. Avoid inhalation of dust. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices and use appropriate lifting techniques. |
| Conditions for safe storage, including any incompatibilities | Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Avoid contact with acids, water, and moisture. |

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|---|------|----------------------|----------------------|
| Calcium sulfate anhydrite (CAS 7778-18-9) | PEL | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5) | PEL | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |

US. OSHA Table Z-3 Permissible Exposure Limits (PEL) for Mineral Dusts (29 CFR 1910.1000)

| Components | Type | Value | Form |
|---|------|----------------------|----------------------|
| Calcium sulfate anhydrite (CAS 7778-18-9) | TWA | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| | | 50 mppcf | Total dust. |
| | | 15 mppcf | Respirable fraction. |

US. OSHA Table Z-3 Permissible Exposure Limits (PEL) for Mineral Dusts (29 CFR 1910.1000)

| Components | Type | Value | Form |
|--|------|----------------------|----------------------|
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5) | TWA | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| | | 50 mppcf | Total dust. |
| | | 15 mppcf | Respirable fraction. |

US. ACGIH Threshold Limit Values (TLV)

| Components | Type | Value | Form |
|--|------|----------------------|---------------------|
| Calcium sulfate anhydrite (CAS 7778-18-9) | TWA | 10 mg/m ³ | Inhalable fraction. |
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5) | TWA | 10 mg/m ³ | Inhalable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|--|------|----------------------|-------------|
| Calcium sulfate anhydrite (CAS 7778-18-9) | TWA | 5 mg/m ³ | Respirable. |
| | | 10 mg/m ³ | Total |
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5) | TWA | 5 mg/m ³ | Respirable. |
| | | 10 mg/m ³ | 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 approved safety goggles.

Skin protection**Hand protection**

It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.

Skin protection**Other**

Normal work clothing (long sleeved shirts and long pants) is recommended.

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 separately from regular wash. Observe any medical surveillance requirements.

9. Physical and chemical properties**Appearance****Physical state**

Solid.

Form

Powder.

Color

White to off-white.

Odor

Low to no odor.

Odor threshold

Not applicable.

| | |
|---|---------------------------------------|
| pH | 7 - 9 |
| Melting point/freezing point | Not applicable. Not applicable. |
| 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 | |
| Explosive limit - lower (%) | Not applicable. |
| Explosive limit - upper (%) | Not applicable. |
| Vapor pressure | Not applicable. |
| Vapor density | Not applicable. |
| Relative density | 2.96 (H ₂ O=1) |
| Solubility(ies) | |
| Solubility (water) | 0.15 - 0.4 g/100 g (H ₂ O) |
| Partition coefficient (n-octanol/water) | Not applicable. |
| Auto-ignition temperature | Not applicable. |
| Decomposition temperature | 2642 °F (1450 °C) |
| Viscosity | Not applicable. |
| Other information | |
| Bulk density | 55 - 70 lb/ft ³ |
| Particle size | Varies. |
| VOC | 0 % |

10. Stability and reactivity

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|---|--|
| Reactivity | The product is stable and non reactive under normal conditions of storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Contact with incompatible materials. Exposure to moisture. |
| Incompatible materials | Strong oxidizing agents. Strong acids. |
| Hazardous decomposition products | Calcium oxides, carbon dioxide, and carbon monoxide. |

11. Toxicological information

Information on likely routes of exposure

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|---------------------|--|
| Inhalation | Airborne dust may irritate throat and upper respiratory system causing coughing. |
| Skin contact | Under normal conditions of intended use, this product does not pose a skin hazard. |
| Eye contact | Direct contact with airborne particulates may cause temporary irritation. |
| Ingestion | Ingestion may cause irritation and stomach discomfort. |

Symptoms related to the physical, chemical and toxicological characteristics Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

| Components | Species | Test Results |
|-------------------|----------------|---------------------|
|-------------------|----------------|---------------------|

Calcium sulfate anhydrite (CAS 7778-18-9)

Acute

Inhalation

| | | |
|------|-----|----------------------|
| LC50 | Rat | > 3.26 mg/l, 4 Hours |
|------|-----|----------------------|

| Components | Species | Test Results |
|---|--|--------------|
| Oral LD50 | Rat | > 1581 mg/kg |
| Skin corrosion/irritation | Not a skin irritant. | |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. | |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | Not expected to cause respiratory sensitization based on non-skin sensitization history. | |
| Skin sensitization | Not a skin sensitizer. | |
| Germ cell mutagenicity | No evidence of mutagenicity found in Ames bacterial tests. | |
| Carcinogenicity | This material is not classified as a carcinogen by IARC, ACGIH, NTP or OSHA. | |
| 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. | |
| Chronic effects | No other specific acute or chronic health impact noted. | |

12. Ecological information

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|--------------------|--|
| Ecotoxicity | The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
|--------------------|--|

| Components | Species | Test Results |
|---|--|---|
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) > 1970 mg/l, 96 hours |
| Persistence and degradability | Calcium sulfate dissolves in water forming calcium and sulfate ions. | |
| Bioaccumulative potential | Bioaccumulation is not expected. | |
| Mobility in soil | No data available. | |
| 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)

All components of the mixture on the TSCA 8(b) inventory are designated "active".

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

Calcium sulfate anhydrite (CAS 7778-18-9)

Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)

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

Calcium sulfate anhydrite (CAS 7778-18-9)

Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)

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

Calcium sulfate anhydrite (CAS 7778-18-9)

Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)

US. Rhode Island RTK

Calcium sulfate anhydrite (CAS 7778-18-9)

Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)

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) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |

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

*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 23-April-2015

Revision date 09-July-2024

Version # 03

Further information 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.