

# SAFETY DATA SHEET

## Section 1. Product Identification

|   |  |
|---|--|
| <b>Product identifier</b>                                     | Terra Alba   |
| <b>Other means of identification</b>                          |  |
| <b>SDS number</b>   | ACG 2004   |
| <b>Additional Products</b>                                    | Terra Alba, Food and Pharmaceutical Filler             |
| <b>Synonyms</b>   | Calcium Sulfate Dihydrate                              |
| <b>Recommended use</b>  | Food & Pharmaceutical Filler.                          |
| <b>Recommended Restrictions</b>                               | Use in accordance with manufacturer's recommendations. |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |
| <b>Company name</b>   | ACG Materials  |
| <b>Address</b>  | 1550 Double Drive<br>Norman, OK 73069                  |
| <b>Telephone</b>  | 1-800-624-5963   |
| <b>Website</b>  | www.ACGmaterials.com                                   |
| <b>Emergency phone number</b>                                 | 1-800-624-5963   |

## Section 2. Hazard(s) Identification

|                              |  |
|------------------------------|--|
| <b>Emergency Overview</b>    | This product is not flammable, combustible, or explosive. It does not cause burns or severe skin or eye irritation. A single exposure will not result in serious adverse health effect. Prolonged contact with the product may result in abrasions to the skin or irritation of the eyes. Prolonged inhalation of the dust may irritate the respiratory tract.   |
| <b>Physical hazards</b>      | Not classified   |
| <b>Health Hazards</b>        | Not classified   |
| <b>Acute:</b>                |  |
| <b>Eyes</b>                  | Contact can cause mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician. Eye irritation Category 2, subcategory 2B.  |
| <b>Skin</b>                  | Prolonged contact with the skin may cause irritation. Rubbing of this product against the skin can result in abrasion. Rinse with water until free of material to avoid abrasion, then wash skin thoroughly with mild soap and water. May dry skin. Mild skin irritation Category B.   |
| <b>Inhalation</b>            | Inhalation of dusts from this product may irritate the nose, throat, lungs, and upper respiratory tract. Persons exposed to large amounts of this dust may be forced to leave area because of nuisance conditions such as coughing, sneezing, and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician.  |
| <b>Chronic:</b>              |  |
| <b>Inhalation</b>            | Prolonged and repeated exposure to respirable crystalline silica can result in lung disease (i.e. silicosis) and lung cancer. Silicosis increases the risk of tuberculosis. Studies have shown various autoimmune and chronic kidney diseases in workers exposed to respirable crystalline silica. Some studies show and increased incidence of chronic bronchitis and emphysema in workers exposed to crystalline silica. |
| <b>Environmental hazards</b> | Not Classified   |
| <b>OSHA defined hazards</b>  | Not Classified   |

**Label elements**



|                                |  |
|--------------------------------|--|
| <b>Signal word</b>             | Danger   |
| <b>Hazard statement</b>        | Causes skin and eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.       |
| <b>Precautionary statement</b> |  |
| <b>Prevention</b>              | Wash hands thoroughly after handling. Wear protective gloves. Avoid breathing dust. Wear respiratory protection. |
| <b>Response</b>                | If eye irritation persists, if skin irritation occurs, or if experiencing respiratory symptoms: Get              |

**Storage**  
**Disposal**

medical advice/attention.  
Store as indicated in Section 7.  
Dispose of in accordance with local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

### Section 3. Composition/Information on Ingredients

**Mixtures**

| Chemical name   | CAS number | %      |
|---|------------|--------|
| Calcium sulfate dihydrate<br>(alternative CAS 10101-41-4) | 13397-24-5 | >95    |
| Calcium Sulfate Anhydrite                                 | 14798-04-0 | <10    |
| Silicon Dioxide (Crystalline Silica)                      | 14808-60-7 | <0.025 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas.

### Section 4. First-Aid Measures

|   |   |
|---|---|
| <b>Eye contact</b>  | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  |
| <b>Skin contact</b>   | If on skin: Wash with plenty of water/mild soap and water. Specific treatment: see supplemental first aid instruction on label. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. |
| <b>Inhalation</b>   | If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.  |
| <b>Ingestion</b>  | Unlikely to occur, but may cause gastric disturbances if swallowed. Gypsum is non-toxic.  |
| <b>Most Important symptoms/effects, acute and delayed</b>                     | 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.  |
| <b>Indication of Immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved.  |

### Section 5. Fire and Explosion Hazard Data

|   |   |
|---|---|
| <b>Flash Point</b>                      | Non-combustible   |
| <b>Auto-Ignition</b>                    | Not applicable.   |
| <b>Flammable limit</b>                  | Not applicable.   |
| <b>Fire Extinguishing Media</b>         | Use extinguishing media appropriate for surrounding fire.         |
| <b>Special Fire-fighting Procedures</b> | Wear proper personal protective equipment as listed in Section 8. |
| <b>Hazardous combustion procedures</b>  | Not applicable.   |
| <b>Explosion Hazards</b>                | None known.   |

### Section 6. Accidental Release Measures

|  |  |
|--|--|
| <b>Methods and materials for containment and cleaning up</b> | Remove by dry sweeping or vacuum. Avoid creating excessive dust. It is recommended that gloves and a mask be worn while cleaning the spill. If already mixed with water, scrape up and place in container. Wear appropriate protective equipment as described in Sections 7 & 8. |
| <b>Environmental precautions</b>                             | Avoid discharge to drains, sewers, and other water systems.  |

### Section 7. Handling and Storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Avoid contact with skin and eyes. Do not breathe dust. Use only in well ventilated areas. Wear appropriate eye and respiratory protection, including a NIOSH approved dust mask, if dust is generated. When using, do not eat or drink. Wash hands before eating, drinking or smoking. |
| <b>Conditions for safe storage,</b>  | Keep out of reach of children. Keep the container tightly closed and dry. Store in a covered, dry  |

including an incompatibilities climate controlled area, away from incompatibles listed in Section 10.

### Section 8. Exposure Controls/Personal Protection

**Occupational exposure limits**

**US. OSHA table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components                                    | Type | Value               | Form        |
|---|------|---------------------|-------------|
| Gypsum Anhydrite or<br>Gypsum/Anhydrite Blend | PEL  | 5 mg/m <sup>3</sup> | Respirable. |
| Crystalline Silica                            | TWA  | 5 mg/m <sup>3</sup> | Respirable. |

**US. ACGIH Threshold Limit Values**

| Components                                    | Type | Value                   | Form                |
|---|------|-------------------------|---------------------|
| Gypsum Anhydrite or<br>Gypsum/Anhydrite Blend | TWA  | 10 mg/m <sup>3</sup>    | Inhalable fraction. |
| Crystalline Silica                            | TWA  | 0.025 mg/m <sup>3</sup> | Respirable.         |

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

| Components                                    | Type | Value                  | Form       |
|---|------|------------------------|------------|
| Gypsum Anhydrite or<br>Gypsum/Anhydrite Blend | TWA  | 5 mg/m <sup>3</sup>    | Respirable |
| Crystalline Silica                            | TWA  | 0.05 mg/m <sup>3</sup> | Respirable |

**Engineering Controls**

Ventilate to keep exposures below TLV requirements of the individual ingredients. General ventilation is expected to be satisfactory. Use local exhaust ventilation if necessary to control dust.

**Respiratory protection**

None required where adequate ventilation conditions exist. In order to meet TLV requirements of individual ingredients and to control dusting conditions, provide general ventilation and local exhaust ventilation. Avoid creating dust. Wear a NIOSH/MSHA approved dust respirator in poorly ventilated areas and/or if TLV requirements of the individual ingredients is exceeded.

### Section 9. Physical and Chemical Properties

|                                       |                  |
|---------------------------------------|------------------|
| <b>Appearance</b>                     | White.           |
| <b>Physical state</b>                 | Powder/Solid.    |
| <b>Melting Point</b>                  | Not applicable.  |
| <b>Freezing Point</b>                 | Not applicable.  |
| <b>Odor</b>                           | Low to no odor.  |
| <b>Odor threshold</b>                 | Not determined.  |
| <b>Flash point</b>                    | Non-combustible. |
| <b>Flammability limits</b>            | Not applicable.  |
| <b>Solubility (in water) (g/100g)</b> | 0.205.           |
| <b>Initial boiling point</b>          | Not applicable   |
| <b>Boiling Range</b>                  | Not applicable.  |
| <b>Specific gravity</b>               | 2.32-2.41.       |
| <b>pH</b>                             | 6-8.             |
| <b>Vapor pressure</b>                 | Not applicable.  |
| <b>Vapor density</b>                  | Not applicable.  |
| <b>Auto-ignition temperature</b>      | None.            |
| <b>Evaporation rate</b>               | Not applicable.  |
| <b>Viscosity</b>                      | Not applicable.  |
| <b>Upper flammability limit</b>       | Not determined.  |
| <b>Lower flammability limit</b>       | Not determined.  |

Decomposition temp 1450°C / 2642°F

### Section 10. Chemical Stability and Reactivity

|   |  |
|---|--|
| <b>Conditions of reactivity</b>         | Not applicable.                                      |
| <b>Chemical stability</b>               | Stable at normal storage conditions and temperature. |
| <b>Conditions to avoid</b>              | Not applicable.                                      |
| <b>Hazardous decomposition products</b> | Stable at normal storage conditions and temperature. |
| <b>Hazardous polymerization</b>         | None known.  |

### Section 11. Toxicological Information

#### Information on likely routes of exposure

|                        |  |
|------------------------|--|
| <b>Acute effects</b>   | The acute oral toxicity study (OECD TG 420) of calcium sulfate dihydrate showed that this chemical did not cause any changes.  |
| <b>Chronic effects</b> | Crystalline silica: Exposures to respirable crystalline silica are not expected during the normal use of this product; however, levels must be determined by in-house workplace hygiene testing. |

### Section 12. Ecological Information

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> | There are no known causes from this product that would harm the ecology. The disposal of large quantities directly into waterways would be expected to cause significant aquatic life death. |
|--------------------|--|

### Section 13 Disposal Considerations

|                           |  |
|---------------------------|--|
| <b>Disposal procedure</b> | Dispose of product and packaging material in accordance with all applicable federal, state, and local regulation. Can be disposed as an inert solid in a landfill. Slurry may plug drains. Do not dispose of directly in waterways or sewers. Recycle responsibly. |
|---------------------------|--|

### Section 14. Transport Information

|  |  |
|--|--|
| <b>Department of Transportation (DOT) Requirements</b> | This product is not regulated as a hazardous material by the United States (DOT) transportation regulations. |
| <b>Canadian Transportation of dangerous goods</b>      | Not regulated as dangerous goods.  |
| <b>UN#</b>   | None, Not regulated as dangerous goods.  |
| <b>ADNR</b>  | None.  |
| <b>RID/ADR:</b>  | Not classified.  |
| <b>Environmental hazards</b>                           | None.  |
| <b>Annex II of MARPOL 73/78</b>                        | Not applicable   |
| <b>International bulk chemical code</b>                | Not applicable   |

### Section 15 Regulatory Information

|  |   |
|--|---|
| <b>U.S. EPA's Toxic Substance Control Act Chemical Substance Inventory</b> | Not listed as reportable quantity or regulated quantity in SARA Title III Sections 302, 304, and 313. CAA Section 112® Regulated Chemicals for Accidental Release Prevention, CERLA Hazardous Substances, and RCRA Hazardous Waste. |
| <b>Canadian Controlled Product Regulations</b>                             | Crystalline Silica: IDL* Item #1406 Classification: D2A.  |
| <b>European Union Directive 67/548/EEC (Annex III and IV)</b>              | R36, R37, R38, S37, S3, S39, and S51.   |

\*IDL Item: Canadian Hazardous Product Act Ingredient Disclosure List

\*\* WHMIS: Workplace Hazardous Safety Information System

### Section 16 Other Information

#### 16. Other Information, including date of preparation or last revision

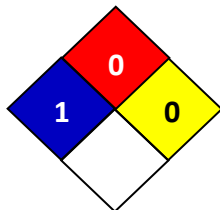
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**Further information** NFPA Ratings  
Health: 1  
Flammability: 0  
Physical hazard: 0

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.