

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Uncalcined Gypsum Products

**Product Number:** (See product list found in section 16)

**Product Use:** Agriculture, portland cement rock, industrial plaster, joint system and wallboard products.

**Manufacturer/Supplier:** Georgia-Pacific Gypsum LLC  
133 Peachtree Street, N.E., Atlanta, GA 30303

**Phone Number:** (800) 225-6119 (Technical Information)  
(404) 652-5119 (MSDS Request)

**Emergency Phone:** CHEMTREC (800) 424-9300

**Date of Preparation:** June 4, 2007

**Section 2: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****CAUTION**

Crushing, mixing, sanding, or otherwise working with this product may generate large amounts of dust. Dust can be irritating to the eyes, skin, and respiratory system.

**Likely Routes of Exposure:** Skin contact, eye contact, and inhalation.

**Potential Health Effects:**

- Eye:** Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Skin:** Dust may cause skin irritation. Symptoms may include redness, drying, and cracking of the skin.
- Ingestion:** Not applicable under normal conditions of use. May result in obstruction and temporary irritation of the digestive tract.
- Inhalation:** May cause respiratory tract irritation.

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, dust may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes and respiratory system.

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS #</b>	<b>Wt. %</b>
Gypsum (calcium sulfate)	7778-18-9	90 - 100
Silica, crystalline, quartz	14808-60-7	0.1 - 1

Gypsum (calcium sulfate) contains naturally occurring silica crystalline (quartz), which is listed as a lung carcinogen. See section 8 for exposure information.

**Section 4: FIRST AID MEASURES**

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.
- Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.
- Ingestion:** May result in obstruction and irritation if ingested. Get medical attention.

## Section 5: FIRE FIGHTING MEASURES

**Flammability:** Not flammable by OSHA/WHMIS criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Treat for surrounding material.

**Unsuitable Extinguishing Media:** Not applicable.

**Products of Combustion:** May include, and are not limited to: calcium oxide and sulfur dioxide.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not applicable.

**Sensitivity to Static Discharge:** Not applicable.

**Protection of Firefighters:** Firefighters should wear full protective clothing including self contained breathing apparatus.

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Scoop up material and place in a disposal container.

## Section 7: HANDLING AND STORAGE

**Handling:**

Avoid contact with skin and eyes. Do not breathe dust. Use only in well-ventilated areas. Handle and open container with care. Wear appropriate NIOSH approved dust mask or filtering facepiece if dust is generated. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

**Storage:**

Keep out of the reach of children. Keep container dry.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	CAS #	Exposure Limits	
		OSHA-PEL	ACGIH-TLV
Gypsum (CaSO <sub>4</sub> )	7778-18-9	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	10 mg/m <sup>3</sup> (total)
Silica, crystalline, quartz	14808-60-7	((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (resp)); ((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (total)); ((250)/(%SiO <sub>2</sub> +5) mppcf TWA (resp))	0.025 mg/m <sup>3</sup>

**Engineering Controls:** When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.

**Personal Protective Equipment:**

**Eye/Face Protection:** Safety glasses or goggles are recommended for dust. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 133 (eye and face protection)). Safety shower/eye wash fountain must be readily available in the workplace area (29 CFR 1910.151(c)).

**Skin Protection:** Impervious protective clothing and gloves recommended to prevent drying or irritation of hands. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)). Safety shower/eye wash fountain must be readily available in the workplace area (29 CFR 1910.151(c)).

**Respiratory Protection:** A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

<b>Section 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance:</b>	Powder.
<b>Color:</b>	Light gray to white.
<b>Odor:</b>	Low odor.
<b>Odor Threshold:</b>	Not available.
<b>Physical State:</b>	Solid.
<b>pH:</b>	6-8
<b>Viscosity:</b>	Not applicable.
<b>Freezing Point:</b>	Not applicable.
<b>Boiling Point:</b>	Not applicable.
<b>Flash Point:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not applicable.
<b>Upper Flammability Limit:</b>	Not applicable.
<b>Vapor Pressure:</b>	Not applicable.
<b>Vapor Density:</b>	Not applicable.
<b>Specific Gravity:</b>	2.3
<b>Solubility in Water:</b>	0.23% @ 22°C
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not applicable.
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.

**Conditions of Reactivity:** None known.

**Incompatible Materials:** None known.

**Hazardous Decomposition Products:** May include, and are not limited to: calcium oxide and sulfur dioxide.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

#### Component Analysis

Ingredient	LD <sub>50</sub> (oral)	LC <sub>50</sub>
Gypsum (calcium sulfate)	Not available.	Not available.
Silica, crystalline, quartz	Not available.	Not available.

### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Lungs.

**Chronic Effects:** Hazardous by OSHA/WHMIS criteria.

Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen.

Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

**Carcinogenicity:** Hazardous by OSHA/WHMIS criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen
Silica, crystalline, quartz	<b>ACGIH</b> - A2 - Suspected human carcinogen; <b>IARC</b> - 1 - The agent is carcinogenic to humans; <b>NTP</b> - 1 - Known to be carcinogens;

**Mutagenicity; Reproductive Effects; Teratogenicity; Embryotoxicity; Respiratory Sensitization; Skin Sensitization:** Not hazardous by OSHA/WHMIS criteria.

**Toxicologically Synergistic Materials:** Not available.

## Section 12: ECOLOGICAL INFORMATION

#### Ecotoxicity:

#### LC/EC<sub>50</sub>

#### Freshwater Fish Species Data:

Gypsum (calcium sulfate)	7778-18-9	96 Hr LC50 <i>Lepomis macrochirus</i> : 2980 mg/L (static)
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#### Water Flea Data:

Gypsum (calcium sulfate)	7778-18-9	120 Hr EC50 <i>Nitocheria linearis</i> : 3200 mg/L
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## Section 13: DISPOSAL CONSIDERATIONS

**Disposal Instructions:**

This product, if discarded as supplied, is not considered a hazardous waste under Federal Waste Regulations 40 CFR 261. If processing, use, or contamination alters the material, the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definition of hazardous waste.

## Section 14: TRANSPORTATION INFORMATION

**DOT Classification**

Not regulated

**TDG Classification**

Not regulated

## Section 15: REGULATORY INFORMATION

**Federal Regulations**

**Canadian:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR 29 1910.1200).

**SARA Title III**
**Ingredient**

**Section 302  
(EHS) TPQ  
(lbs.)** Not  
listed. Not  
listed.

**Section 304  
EHS RQ (lbs.)**  
Not listed.  
Not listed.

**CERCLA RQ  
(lbs.)**  
Not listed.  
Not listed.

**Section 313**  
Not listed.  
Not listed.

Gypsum (calcium sulfate)  
Silica, crystalline, quartz

**Section 311-312:** Delayed (chronic) health hazard.

**Global Inventories**
**Ingredient**

**Canada  
DSL/NDL**  
DSL  
DSL

**USA  
TSCA**  
Yes.  
Yes.

Gypsum (calcium sulfate)  
Silica, crystalline, quartz

**HMIS - Hazardous Materials Identification System**

**Health - 1\***      **Flammability - 0**      **Physical Hazard - 0**

**NFPA - National Fire Protection Association:**

**Health - 1**      **Fire - 0**      **Reactivity - 0**

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**WHMIS Classification(s):**

Class D2A - Carcinogenicity  
Class D2A - Chronic Toxic Effects

**WHMIS Hazard Symbols:****Section 16: OTHER INFORMATION****Other Information:**

Products on this MSDS do not contain asbestos.

**Product List:**

Gypsum Rock	40A-00001, 2, 10, 11, 12, 13, 13501
Ground Gypsum	40A-13301, 3, 9
Granular Gypsum	40A-13310, 13510
Terra Alba	40A-13308
BUMPER HARVEST <sup>®</sup> Agricultural Gypsum	40A-13300
Landplaster	40A-13020-29

**Disclaimer:**

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Georgia-Pacific and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Georgia-Pacific and its subsidiaries will not be liable for claims that the information and data are inaccurate, incomplete or otherwise misleading.

**Supersedes:** 7/6/00

**Prepared by:** Georgia-Pacific LLC  
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