

SECTION 1 : Identification of the substance/preparation and of the company / undertaking

(a) GHS product identifier

Gypsum Accelerator

(e) Emergency phone number

CHEMTREC 1-800-424-9300

(b) Other means of identification

NA

(c) Recommended use of the chemical and restrictions on use

For professional dental applications.

(d) Supplier's details

Garreco, LLC
430 Hiram Road
Heber Springs, AR 72543
Phone: 1-800-334-1443

SECTION 2: Hazards identification

(a) GHS classification of the substance/mixture

Substance Name

- 1 Gypsum, Anhydrite or Gypsum/Anhydrite blend
- 2 Sucrose
- 3 Crystalline Silica

(b) Label Elements

Hazard statements

NA

Precautionary statements

NA

Response

IF IN EYES: Can cause mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician.

IF INHALED: May irritate eyes, skin, nose, throat, and respiratory tract. Persons subjected to large amounts will be forced to leave area because of nuisance conditions. Labored breathing may occur after excessive inhalation.

Exposure to airborne respirable crystalline silica can result in lung disease or lung cancer. Development of silicosis increases risks of additional health effects. Developing silicosis is dependent upon exposure intensity and duration. If symptoms persist, consult physician.

Storage

Store in a cool, well-ventilated area away from sources of heat.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard Symbol(s)

NA

Signal Word(s)

NA

(c) Other hazards which do not result in classification

ND

SECTION 3: Composition/information on ingredients

(a) Chemical(s) Identity:

(b) Common Name:

- 1 Gypsum, Anhydrite or Gypsum/Anhydrite blend
- 2 Sucrose
- 3 Crystalline Silica

(c) CAS No.

- 13397-24-5/14798-04-0
57-50-1
14808-60-7

Mixture:

Concentration (Percentage)

- >90%
<10%
<1%

SECTION 4: First-aid measures

(a) Description of first aid measures:

IF ON SKIN (or hair): If irritation occurs, rinse thoroughly with soap and water. If symptoms persist, contact a physician immediately.

IF INHALED: Remove to fresh air and remain away until symptoms subside. If conditions warrant, contact physician.

IF SWALLOWED: Product is not intended to be ingested. DO NOT induce vomiting. If gastric disturbance occurs, call physician.

IF IN EYES: Do not rub or scratch your eyes. Flush thoroughly with water for 15 minutes. If irritation persists, consult physician.

(b) Most important symptoms and effects, both acute and delayed:

IN EYES: Dust can cause mechanical irritation of eyes. Symptoms may include burning, redness, itching, or pain.

INHALATION: May irritate eyes, skin, nose, throat, and upper respiratory tract. Persons subjected to large amounts may suffer nuisance conditions. Labored breathing may occur after excessive inhalation.

(c) Indication of any immediate medical attention and special treatment needed:

INHALATION: Labored breathing.

SECTION 5: Fire-fighting measures

(a) Suitable extinguishing media:

Water or use extinguishing media appropriate for surrounding fire.

(b) Special hazards arising from the chemical or mixture:

Above 1450°C - decomposes to calcium oxide (CaO) and sulfur dioxide (SO₂).

(c) Special protective equipment and precautions for fire-fighters:

Wear appropriate personal protective equipment. See section 8.

SECTION 6: Accidental release measures

(a) Personal precautions, protective equipment and emergency procedures:

No special precautions. Wear appropriate personal equipment. See section 8.

(b) Environmental precautions:

Never discharge large releases directly into sewers or surface waters.

(c) Methods and material for containment and cleaning up:

Use normal clean up procedures. Follow all local, state, provincial and federal regulations.

SECTION 7: Handling and storage

(a) Precautions for safe handling:

Avoid contact with eyes. Wear appropriate eye protection. Minimize dust generation. Avoid breathing dust. Wear appropriate respiratory protection in poorly ventilated areas or if TLV is exceeded. Use good industrial hygiene

(b) Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatibilities.

SECTION 8: Exposure controls/Personal protection**(a) Control parameters:**

Chemical	ACGIH TLV	OSHA PEL TWA
1 Gypsum, Anhydrite or Gypsum/Anhydrite blend	10mg/m ³	15(T) / 5(R) mg/m ³
2 Sucrose	10mg/m ³	15(T) / 5(R) mg/m ³
3 Crystalline Silica	0.02(R) mg/m ³	0.1(R) mg/m ³

*(T) - Total; (R) - Respirable

(b) Appropriate Engineering Controls:

Provide ventilation sufficient to control airborne dust levels. If user operations generate airborne dust, use ventilation to keep dust concentrations below permissible exposure limits. Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control dust levels below permissible exposure limits.

(c) Individual protection measures:

RESPIRATORY: A respiratory program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever conditions warrant a respirator's use. If engineering controls are not possible, wear a NIOSH/MSHA-approved particulate respirator.

OTHER PROTECTIVE EQUIPMENT: Wear eye protection to avoid possible eye contact. Wear gloves and protective clothing to prevent repeated or prolonged skin contact. Personal Protective Equipment will depend on working conditions and operations.

SECTION 9: Physical and chemical properties

(a) Appearance:	White to off-white powder
(b) Odor:	Low to no odor
(c) Odor threshold:	N/D
(d) pH:	~7
(e) Melting point / freezing point:	N/A / N/A
(f) Initial boiling point and boiling range:	N/A / N/A
(g) Flash point	N/D
(h) Evaporation rate (BuAc=1):	N/A
(i) Flammability:	N/A
(j) Upper/lower flammability or explosive limits:	N/D / N/D
(k) Vapor Pressure:	N/A
(l) Vapor density:	N/A
(m) Relative density:	N/A
(n) Solubility:	~21g / 100g
(o) Partition coefficient: n-octanol/water:	N/D
(p) Auto-ignition temperature:	N/D
(q) Decomposition temperature:	2642°F/1450°C
(r) Viscosity:	N/A

SECTION 10: Stability and reactivity

(a) Reactivity:	Stable
(b) Chemical stability:	Stable
(c) Possibility of hazardous reactions:	None known.
(d) Conditions to avoid:	Heat above 1450°C.
(f) Hazardous decomposition products:	Calcium oxide (CaO) and sulfur dioxide (SO ₂).

SECTION 11: Toxicological information

Acute toxicity	N/D
Skin corrosion/irritation	N/D
Serious Eye Damage / Irritation	Dust has shown irritant action on membranes of the respiratory tract/eyes.
Respiratory or skin sensitization	There have been anecdotal reports of conjunctivitis, chronic rhinitis, laryngitis, pharyngitis, impaired sense of smell and taste, bleeding from the nose, and reactions of tracheal and bronchial membranes in exposed workers.
Germ cell mutagenicity	N/D
Carcinogenicity	Crystalline Silica: The weight percent of respirable crystalline silica may not have been measured in this product. Exposure to airborne respirable crystalline silica can result in lung disease or lung cancer. The risk of developing silicosis is dependent upon the exposure intensity and duration. In June, 1997 IARC classified Crystalline silica as a human carcinogen.
Reproductive toxicity	N/D
STOT-single exposure	N/D
STOT-repeated exposure	Respiratory Tract
Aspiration Hazard	Yes

- (a) **Exposure route:** Eye, skin, and respiratory tract.
- (b) **Symptoms related to the physical, chemical and toxicological characteristics:**
Skin, eye, and respiratory tract irritation, and gastro-intestinal disturbance following oral doses.
- (c) **Delayed and immediate effects and also chronic effects from short and long tem exposure:**
Skin, eye, respiratory tract irritation, and gastro-intestinal disturbance following oral doses. May cause lung disease.
- (d) **Numerical measures of toxicity:** ND

SECTION 12: Ecological information

- (a) **Ecotoxicity:** This product has no known adverse effect on ecology.
- (b) **Persistence and degradability:** N/D
- (c) **Bioaccumulative potential:** N/D
- (d) **Mobility in soil:** N/D
- (e) **Other adverse effects:** N/D

SECTION 13: Disposal considerations

Product:

Recommendation

Dispose of material in accordance with federal, state, and local regulations.

SECTION 14: Transport information

- (a) **UN Number** Not a hazardous material per DOT shipping requirements.
- (b) **UN Proper shipping name** Same as product name.
- (c) **Transport hazard class(es)** Not classified
- (d) **Packing Group** None.
- (e) **Environmental hazards** None
- (f) **Transport in bulk** N/D
- (g) **Other Information** N/D

SECTION 15: Regulatory information

SARA Reporting Requirements: None
SARA Threshold Planning Quantity: Not listed
TSCA Inventory Status: All ingredients in this mixture are in compliance with TSCA.
Other Federal Requirements: Not listed

Other Canadian Regulations: This product has been classified in accordance with the hazard criteria of Controlled Product regulations and the MSDS contains all the information required by the Controlled Products Regulations. All ingredients of this product are included in the Canadian Domestic Substances List (DSL).

State Regulatory Information: CAL-65 – California Proposition 65 “Chemicals known to the State of California to Cause Cancer” Respirable crystalline silica: IARC: Group 1 carcinogen, NTP: Known human carcinogen. The weight percent of crystalline silica given represents total quartz and not the respirable fraction. The weight percent of respirable silica has not been measured in this product.

SECTION 16: Other information

PREPARED BY: Kathryn Harris
GAR QMS SDS REFERENCE: A013

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:

Health	1
Flammability	0
Reactivity	0
Other	E

REVISION NUMBER: 150629

CHANGES FROM PREVIOUS VERSION: Initial Version

ABBREVIATIONS

NA Not Applicable	LD Lethal Dose
ND Not Determined	TC Toxic Concentration
NE Not Established	TD Toxic Dose
ppm parts per million	BOD Biological Oxygen Demand
G Gallon	COD Chemical Oxygen Demand
mg Milligram	Lo Lowest
L Liter	ThOD Theoretical Oxygen Demand
gm Gram	TLm Threshold Limit
mol Mole	IC Inhibitory Concentration
kg Kilogram	DOC Dissolved Organic Carbon
µ Micro	H Hours
mm Millimeter	M Months
p Pico	D Days
Pa Pascals	Y Years
c cent	W Weeks
LC Lethal Concentration	NOEL No Observed Effect Level
ACGIH American Conference of Governmental Industrial Hygienist	NOAEL No Observed Adverse Effect Level
DSL Canadian Domestic Substances List	CPR Controlled Product's Regulation
NDSL Canadian Non-domestic Substance List	PEL Permissible Exposure Limit
IARC International Agency for Research for Cancer	TLV Threshold Limit Value
OSHA Occupational Safety and Health Administration	

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED.

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