

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

- (a) **GHS product identifier**  
Gypsum Retarder
- (e) **Emergency phone number**  
CHEMTRAC 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. Plaster of Paris
2. Sodium Citrate

(b) **Label Elements**

**Hazard statements**

May form combustible dust concentration in air.

**Precautionary statements**

Caution, may cause irritation during use. Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.  
When not in use, keep in tightly closed container.

**Response**

**IF ON SKIN:** Wash off with plenty of water. If skin irritation continues, consult a doctor.

**IF INHALED:** Supply fresh air and keep person calm under observation; consult doctor in case of complaints.

**IF SWALLOWED:** Rinse out mouth. Drink large volumes of water. If symptoms persist consult doctor.

**IF IN EYES:** Rinse opened eye for several minutes under running water.

**Storage**

Store in a cool, dry, well-ventilate place. Store away from incompatible materials.

**Disposal**

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

**Hazard Symbol(s)**  
None

**Signal Word(s)**  
Warning

(c) **Other hazards which do not result in classification**

Combustible Dust

**SECTION 3: Composition/information on ingredients**

(a) **Chemical(s) Identity:**

(b) **Common Name:**

Plaster of Paris  
Sodium Citrate

(c) **CAS No.**

26499-65-0  
68-04-2

**Mixture:**

**Concentration (Percentage)**

>75%  
>25%

**SECTION 4: First-aid measures**

(a) **Description of first aid measures:**

**IF ON SKIN:** Wash with soap and water. Treat dry skin with hand lotion. If skin cracks, take appropriate action to prevent infection and promote healing.

**IF INHALED:** Leave the area and remain away until symptoms subside. Consult a physician if conditions warrant.

**IF SWALLOWED:** If gastric disturbance occurs, consult physician. If ingested may result in obstruction of the gut.

**IF IN EYES:** Flush thoroughly with water for 15 minutes. If irritation persists, consult physician.

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

Nuisance conditions. Labored breathing may occur. Burning, redness, itching, pain or other symptoms.

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

ND

**SECTION 5: Fire-fighting measures****(a) Suitable extinguishing media:**

Not applicable, the material is not flammable.

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

Not applicable, the material is not flammable.

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

Not applicable, the material is not flammable.

**SECTION 6: Accidental release measures****(a) Personal precautions, protective equipment and emergency procedures:**

No special precautions. Wear appropriate personal protective equipment.

**(b) Environmental precautions:**

Toxicity studies performed with fish, aquatic invertebrates and aquatic plants showed no toxic effect.

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

Remove by dry-sweeping or vacuum. Avoid creating excessive dust. Do not wash down drains, it could clog.

**SECTION 7: Handling and storage****(a) Precautions for safe handling:**

Product can release dust in handling or during use. Eye, skin, nose, throat, and respiratory irritation may occur.

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

Store in a dry area to minimize potential for clumping due to moisture absorption.

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

Chemical	ACGIH	OSHA
	TLV	PEL TWA
CBI	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> total, 5 mg/m <sup>3</sup> respirable
Crystalline Silica	0.1 mg/m <sup>3</sup> respirable	0.1 mg/m <sup>3</sup> respirable

**(b) Appropriate Engineering Controls:**

Ventilate to keep exposures below TLV requirements. General ventilation is expected to be satisfactory. Use local exhaust ventilation if necessary.

**(c) Individual protection measures:**

**RESPIRATORY:** Appropriate respirators fitted with filters certified to standard 42CFR84 under series N95 should be worn when dust is present in excess of TLV requirements.

**OTHER PROTECTIVE MEASURES:** Avoid breathing dust and contact with eyes. Wash hands after handling. No special body protection is required under typical use. If necessary, refer to appropriate governing standards.

**SECTION 9: Physical and chemical properties**

<b>(a) Appearance:</b>	White to off-white powder
<b>(b) Odor:</b>	None
<b>(c) Odor threshold:</b>	ND
<b>(d) pH:</b>	10
<b>(e) Melting point / freezing point:</b>	1,300 °C
<b>(f) Initial boiling point and boiling range:</b>	ND
<b>(g) Flash point</b>	Not Combustible
<b>(h) Evaporation rate (BuAc=1):</b>	ND
<b>(i) Flammability:</b>	ND
<b>(j) Upper/lower flammability or explosive limits:</b>	ND
<b>(k) Vapor Pressure:</b>	ND
<b>(l) Vapor density:</b>	ND
<b>(m) Relative density:</b>	2.3
<b>(n) Solubility:</b>	<1%
<b>(o) Partition coefficient: n-octanol/water:</b>	ND
<b>(p) Auto-ignition temperature:</b>	ND
<b>(q) Decomposition temperature:</b>	1,300 °C
<b>(r) Viscosity:</b>	ND

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- (a) **Reactivity:** Not reactive, HMIS 0  
 (b) **Chemical stability:** Stable  
 (c) **Possibility of hazardous reactions:** Low  
 (d) **Conditions to avoid:** Incompatible with Acids.  
 (f) **Hazardous decomposition products:** Decomposes to Calcium Oxide and Sulfur Dioxide at 1,450 °C.

**SECTION 11: Toxicological information**

- Acute toxicity** NA  
**Skin corrosion/irritation** May cause dryness and irritation if prolonged exposure.  
**Serious Eye Damage / Irritation** may cause irritation.  
**Respiratory or skin sensitization** Can cause dryness of the nasal passage and lung congestion.  
**Germ cell mutagenicity** NA  
**Carcinogenicity** Crystalline silica, when inhaled as respirable dust, has been classified as carcinogenic to humans over prolonged and sustained exposure.  
**Reproductive toxicity** NA  
**STOT-single exposure** NA  
**STOT-repeated exposure** Inhalation of respirable silica may contribute to respiratory "silicosis".  
**Aspiration Hazard** NA

- (a) **Exposure route:** Inhalation, skin and/or eye contact.  
 (b) **Symptoms related to the physical, chemical and toxicological characteristics:**  
 Difficulty breathing, rashes or irritations.  
 (c) **Delayed and immediate effects and also chronic effects from short and long term exposure:**  
 Difficulty breathing, rashes or irritations.  
 (d) **Numerical measures of toxicity:** See control parameters above.

**SECTION 12: Ecological information**

- (a) **Ecotoxicity:** ND  
 (b) **Persistence and degradability:** ND  
 (c) **Bioaccumulative potential** ND  
 (d) **Mobility in soil:** ND  
 (e) **Other adverse effects:** ND  
 Possible natural insecticide.

**SECTION 13: Disposal considerations****Product:****Recommendation**

Dispose of material in accordance with all applicable federal, state and local regulations, typically solid waste disposal common to landfill type operations.

**SECTION 14: Transport information**

- (a) **UN Number** Not regulated.  
 (b) **UN Proper shipping name** NA  
 (c) **Transport hazard class(es)** NA  
 (d) **Packing Group** NA  
 (e) **Environmental hazards** NA  
 (f) **Transport in bulk** NA  
 (g) **Other Information** NA

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**SECTION 15: Regulatory information**

<b>SARA Reporting Requirements:</b>	NA
<b>SARA Threshold Planning Quantity:</b>	NA
<b>TSCA Inventory Status:</b>	ND
<b>Other Federal Requirements:</b>	NA
<b>Other Canadian Regulations:</b>	Crystalline silica is classified as a D2A substance.
<b>State Regulatory Information:</b>	NA

**SECTION 16: Other information**

**PREPARED BY:** Kathryn Harris  
**GAR QMS SDS REFERENCE:** A036

**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

Health	0
Flammability	0
Reactivity	0
Other	NA

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING:**

Health	0
Flammability	0
Reactivity	0
Other	NA

**REVISION NUMBER:**

150707

**CHANGES FROM PREVIOUS VERSION:**

Formatting change. Added response to label elements.

**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 cento	W Weeks
LC Lethal Concentration	CPR Controlled Product's Regulation
ACGIH American Conference of Governmental Industrial Hygienist	NOEL No Observed Effect Level
DSL Canadian Domestic Substances List	NOAEL No Observed Adverse Effect Level
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	

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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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