

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073297462

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

073297421

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073296753 073296761 073296779 073296787 073296845 073297405 073297413 073297447 073297454 073298502

**Dental Stones and Plasters****Material Safety Data Sheet****Section I**

Manufacturer: **Garreco, Inc.**  
**P.O. Box 1258**  
**Heber Springs, AR 72543**

Emergency Telephone Number: CHEMTREC 800-424-9300

Telephone Number for Information: 501-362-6261

Date Prepared: 5/16/2011

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))      OSHA PEL      ACGIH TLV      % (optional)

**None**

**Section III - Physical/Chemical Characteristics**

Boiling Point: NAIF      Specific Gravity (H<sub>2</sub>O=1): 2.7 - 3.0  
 Vapor Pressure (mm Hg.): NAIF      Melting Point: 1450°C  
 Vapor Density (AIR=1): NAIF      Evaporation Rate (Butyl Acetate =1): NAIF  
 Solubility in Water: 0.20%      Appearance and Odor: Powder, Low Odor

**Section IV - Fire and Explosion Hazard Data**

Flash Point: NAIF      Flammable Limits: (LEL) N/A (UEL) N/A  
 Extinguishing Media: NAIF      Special Fire Fighting Procedures: None  
 Unusual Fire and Explosion Hazards: None

**Section V - Reactivity Data**

Stability: Stable      Conditions to Avoid: None  
 Incompatibility: Acids      Hazardous Decomposition or By-products: Above 1450°C - CaO+SO<sub>2</sub>  
 Hazardous Polymerization: Will Not Occur      Conditions to Avoid: None

**Section VI - Health Hazard Data**

Route(s) of Entry:      Inhalation? Yes      Skin? No      Ingestion? Yes  
 Health Hazards: Acute: NAIF      Chronic: NAIF  
 Carcinogenicity:      NTP? No      IARC Monographs? No      OSHA Regulated? No

Signs and Symptoms of Exposure: NAIF

Medical Conditions Generally Aggravated by Exposure: Pre-existing upper respiratory and lung disease.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air \*. Ingestion: Dilute by drinking water or milk.\*. Skin: \*. Eye: Wash with large amounts of water \*. (\* Obtain first aid or medical attention if needed.)

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled:

Normal cleanup procedures, avoid dusting conditions.

Waste Disposal Method:

Standard landfill methods consistent with federal, state, and local laws.

Precautions to Be Taken in Handling and Storing:

Avoid dusting conditions.

Other Precautions: NAIF

**Section VIII - Control Measures**

Respiratory Protection: OSHA approved dust mask.

Ventilation      Local Exhaust: Recommended      Special: NAIF

Mechanical (General): Vent to dust collector.      Other: NAIF

Protective Gloves: As Desired

Eye Protection: Goggles Recommended

Other Protective Clothing or Equipment: NAIF

Work/Hygienic Practices: NAIF

3.10.20-FM  
**Safety Data Sheet**  
 Form No. A659

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identity:** Tecstone  
 Fastone  
 Tecstone FL (All colors except Purple and White)  
 Labstone  
 Mounting Stone  
 Flasking Stone  
 Flask-It!  
 Apex  
 Natural Rock  
 Veri-Die  
 Veri-Die 20  
 Excalibur  
 X-Rock  
 Express Set  
 Pristine  
 Natural Rock  
 Archostone  
 Plaster  
 Satin Stone

**Recommended use of the chemical and restrictions on use:** For professional dental applications.

**Supplier:** Garreco, LLC  
 430 Hiram Rd.  
 Heber Spring, AR 72543  
 800-334-1443

**Emergency Phone:** For Chemical Emergency  
 Spill, Leak, Fire, or Accident  
 Call **CHEMTREC** Day or Night  
 Within USA and Canada: 1-800-424-9300 (CCN9105)  
 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**2. HAZARDS IDENTIFICATION**

**GHS Classification:**

Physical:	Health:	Environmental
None	None	None

**GHS Label Elements:**  
None Required

**Statements of Hazard**  
None Required

**Precautionary Phrases**  
None Required

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Gypsum Plaster	Mixture	95-100%
Non-Hazardous Additives	Mixtures	0-5%

### 4. FIRST AID MEASURES

**Eye:** Flush eyes with water, while holding the eyelids apart. Get medical attention if irritation occurs.

**Skin:** Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before re-use.

**Ingestion:** Do not induce vomiting. Rinse mouth with water and give one glass of water to drink. Get medical attention if irritation or symptoms develop.

**Inhalation:** Remove victim to fresh air. Get medical attention if breathing difficulties develop.

**Most important Symptoms:** Dust may cause slight eye irritation. May cause abrasive skin irritation. May harden if ingested and cause stomach or intestinal blockage. Mixture with water may cause heating, which may cause thermal burns in contact with skin.

**Indication of immediate medical attention/special treatment:** Immediate medical attention is not required.

### 5. FIRE FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards arising from the chemical:** Product is not flammable or combustible.

**Special Protective Equipment and Precautions for Fire-Fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Avoid breathing dust. Ventilate area. Avoid contact with the eyes. Avoid contact with skin and clothing. Wear appropriate protective clothing. Evacuate spill area and keep unprotected personnel away. Avoid releases to the environment.

**Methods and Materials for Containment and Cleaning Up:** Sweep up and collect into an appropriate container for disposal. Report releases as required by local, state and federal authorities.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Prevent contact with the eyes. Avoid contact with skin and clothing. Avoid breathing dust. Wear protective clothing and equipment. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Wash clothing before re-use.

Do not reuse containers. Empty containers retain product residues and contaminants which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry, well ventilated area away from acids. Keep container tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines:

Gypsum Plaster	5 mg/m <sup>3</sup> TWA OSHA PEL (Respirable Fraction) 15 mg/m <sup>3</sup> TWA OSHA PEL (Total dust)
Non-Hazardous Additives	None Established

**Engineering Controls:** Use with adequate general or local exhaust ventilation to minimize exposures levels.

**Respiratory Protection:** In operations where exposure levels are excessive or irritation is experienced, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Impervious gloves are required if contact is possible.

**Eye Protection:** Chemical safety goggles should be worn where contact is possible.

**Other:** Impervious coveralls, apron and boots are required if needed to prevent skin contact and contamination of personal clothing. A safety shower and eye wash should be available in the immediate work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Powder (various colors) with low to no odor.

<b>Physical State:</b> Solid.	<b>Odor Threshold:</b> Not established
<b>Vapor Density:</b> Not applicable	<b>Initial Boiling Point/Range:</b> Not available
<b>Solubility In Water:</b> Not soluble	<b>Vapor Pressure:</b> Not applicable
<b>Relative Density:</b> 2.96	<b>Evaporation Rate:</b> Not available
<b>Melting/Freezing Point:</b> 1450°C (2642°F)	<b>pH:</b> Not applicable
<b>VOC Content:</b> 0%	<b>Octanol/Water Coefficient:</b> Not available
<b>Solubility:</b> Not available	<b>Decomposition Temperature:</b> 1450°C (2642°F)
<b>Viscosity:</b> Not applicable	<b>Flammability (solid, gas):</b> Not flammable
<b>Flashpoint:</b> Not applicable	<b>Autoignition Temperature:</b> Not applicable
<b>Flammable Limits: LEL:</b> Not applicable <b>UEL:</b> Not applicable	

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable.

**Possibility of Hazardous Reactions:** Will not occur under normal storage and handling conditions.

**Conditions to Avoid:** Keep away from moisture.

**Incompatible Materials:** Acids.

**Hazardous Decomposition Products:** When heated to decomposition emits calcium oxide and sulfur dioxide.

## 11. TOXICOLOGICAL INFORMATION

### HEALTH HAZARDS:

**Eye:** May cause mechanical irritation.

**Skin:** May cause mild mechanical irritation. When mixed with water, product produces heat which may cause thermal burns.

**Ingestion:** Ingestion may result in gastrointestinal or stomach blockage.

**Inhalation:** Inhalation of dust may cause respiratory irritation.

**Sensitization:** Not expected to cause sensitization.

**Chronic:** No effects expected.

**Carcinogenicity:** None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

**Germ Cell Mutagenicity:** None of the components of this product are suspected to cause Mutagenicity.

**Reproductive Toxicity:** None currently known for the mixture.

**Numerical Measures of Toxicity:** Gypsum Powder: Oral rat LD50 >10,000 mg/kg; Dermal Rabbit LD50 >10,000 mg/kg; Inhalation rat LC50 >5.09 ng/L/4 hr (no mortalities at highest concentration achievable)

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

Product is not toxic to the aquatic environment.

**Persistence and Degradability:** Not applicable for inorganic materials.

**Bioaccumulative Potential:** Not expected to bioaccumulate.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

#### 14. TRANSPORT INFORMATION

**DOT Hazardous Materials Description:**

**Proper Shipping Name:** Not Regulated

**UN Number:** None

**Hazard Class/Packing Group:** None

**Labels Required:** None

**IMDG Shipping Name:** Not Regulated

**UN Number:** None

**IMDG Hazard Class/Packing Group:** None

**IMDG Hazard Labels Required:** None

**IATA Shipping Name:** Not Regulated

**UN Number:** None

**IATA Hazard Class/Packing Group:** None

**IATA Hazard Labels Required:** None

#### 15. REGULATORY INFORMATION

**CERCLA 103 Reportable Quantity:** This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state and federal regulations.

**Hazard Category for Section 311/312:** Refer to Section 2 for OSHA Hazard Classification.

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**United States TSCA:** All the components are listed or exempt.

**California Proposition 65:**



WARNING. Cancer – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Canada DSL:** All the components are listed or exempt.

#### 16. OTHER INFORMATION

**NFPA Rating:** Health = 0    Fire = 0    Reactivity = 0

**HMIS Rating:** Health = 0    Fire = 0    Reactivity = 0

**Revision Number:** 181025

**Date of current revision:** 10/26/18

**Date of previous revision:** New SDS

**Revision summary:** New SDS.

**Safety Data Sheet**

Form No. A652

**This SDS covers the associated Raw Materials:** 820010, 8200060, 820070, 820080, 820090, 8200120, 8200132, 8200160, 8200140, 8200150, 8200065, 8200152, 8200162, 8200025, 8200110, 8200010, 8200030, 8100075, 8200500, 8100053, 8100113, 8100560, 8100041, 8100063, 8100400, 8100510

**ABBREVIATIONS**

NA Not Applicable

ND Not Determined

NE Not Established

ppm parts per million

G Gallon

mg Milligram

L Liter

gm Gram

mol Mole

kg Kilogram

 $\mu$  Micro

mm Millimeter

p Pico

Pa Pascals

c cent

LC Lethal Concentration

ACGIH American Conference of Governmental Industrial Hygienist

CPR Controlled Product's Regulation

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

LD Lethal Dose

TC Toxic Concentration

TD Toxic Dose

BOD Biological Oxygen Demand

COD Chemical Oxygen Demand

Lo Lowest

ThOD Theoretical Oxygen Demand

TLm Threshold Limit

IC Inhibitory Concentration

DOC Dissolved Organic Carbon

H Hours

M Months

D Days

Y Years

W Weeks

NOEL No Observed Effect Level

NOAEL No Observed Adverse Effect Level

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

TLV Threshold Limit Value

**NOTICE**

This Safety Data Sheet is prepared in compliance with Federal Regulations (29CFR 1910.1200.) Any applicable state and local regulations should be consulted. The above information may be based in part on information provided by component suppliers and is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazard connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we assume no responsibility for the result of its use. This information and material is furnished on the condition that the person receiving it shall make his/her own determination as to the suitability of the material for his/her particular purpose and on the condition that he/she assume the risk of his/her use thereof.