

## SAFETY DATA SHEETS

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

073296084

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

071336189 073295169 073295177 073295193 073295839 073295847 073296035 073296043 073296050 073296068  
073296076 073296159 073296167 073296175 073296183 073296191 073296209 073296811 073296845 073297066  
073297413 073297421 073297454 073297462 073297520 073297538 073297546 073298213 073298502 073299500

**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).**

073296829 073296837 073297157

**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)
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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
	Mechanical (General): Vent to dust collector.
	Special: NAIF
	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.

**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	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
CPR Controlled Product's Regulation	OSHA Occupational Safety and Health Administration
DSL Canadian Domestic Substances List	PEL Permissible Exposure Limit
NDSL Canadian Non-domestic Substance List	TLV Threshold Limit Value
IARC International Agency for Research for Cancer	

#### **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.