

## **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

**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			

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

**SECTION 1 : Identification of the substance/preparation and of the company / undertaking****(a) GHS product identifier**

**Tecstone, Fastone, Tecstone FL, Labstone, Orthostone, Mounting Stone, Flasking Stone, Flask-It!, Apex, Natural Rock, Veri-Die, Veri-Die 20, Excalibur, X-Rock, Express Set, Cadscan, Pristine, Plaster, and OrthoPlaster**  
(Except Merlin's Magic, Orthoplaster White, Tecstone FL White, CadScan Brilliant White, Veri Die White Plus, Apex Pearl White, CadScan Green, Apex Green, Apex Pastel, Veri Die Cream, Apex Ivory, Apex Light Tan, Tecstone Bright Yellow Sakura, Apex Yellow, CadScan Golden, CadScan Tan, CadScan Buff, and Excalibur Buff)

**(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. Undisclosed due to Confidential Business Information

**(b) Label Elements****Hazard statements**

None

**Precautionary statements**

None

**Hazard Symbol(s)**

NONE

**Signal Word(s)**

NONE

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

**IF ON SKIN:** This material hardens and becomes hot when mixed with water. It SHOULD NOT be used to make a cast enclosing any part of the body, which may cause severe burns that may require surgical removal of affected tissue or amputation of limb. Contact with skin may cause irritation or abrasions.

**IF INHALED:** Dusts from this product may irritate the nose, throat, lungs, and upper respiratory tract. May cause coughing, sneezing, and nasal irritation. Labored breathing may occur after excessive inhalation.

**IF SWALLOWED:** May cause gastric disturbances if swallowed. Ingestion of a sufficient quantity may mechanically obstruct the gut, especially the pyloric region.

**IF IN EYES:** Direct contact can cause mechanical irritation of eyes.

**SECTION 3: Composition/information on ingredients****(a) Chemical(s) Identity:****(b) Common Name:**

Undisclosed due to Confidential Business Information

**(c) CAS No.**

NA

**Mixture:****Concentration (Percentage)**

&gt;99%

**SECTION 4: First-aid measures****(a) Description of first aid measures:**

**IF ON SKIN (or hair):** Rinse with water until free of material to avoid abrasions, then wash skin thoroughly with mild soap and water.

**IF INHALED:** If respiratory symptoms persist, consult physician.

**IF SWALLOWED:** If gastric disturbance occurs, consult physician.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If burning, redness, itching, pain or other symptoms persist or develop, consult a physician.

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

**IF INHALED:** Nuisance conditions such as coughing, sneezing, and nasal irritation. Labored breathing may occur after excessive inhalation.

**IN EYES:** If burning, redness, itching, pain or other symptoms persist or develop, consult a physician.

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

ND

**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:**

None known

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

Wear appropriate personal protective equipment.

**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, may plug drains.

**SECTION 7: Handling and storage**

**(a) Precautions for safe handling:**

None required where adequate ventilation conditions exist. Avoid creating dust. Wear a NIOSH approved dust respirator in poorly ventilated areas/TLV requirements are exceeded.

**(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 TLV	OSHA PEL TWA
CBI	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> total, 5 mg/m <sup>3</sup> respirable

**(b) Appropriate Engineering Controls:**

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

**(c) Individual protection measures:**

**RESPIRATORY:** None required where adequate ventilation conditions exist. Avoid creating dust. Wear a NIOSH/OSHA approved dust respirator in poorly ventilated areas or if TLV requirements are exceeded.

**OTHER PROTECTIVE EQUIPMENT:** No special body protection is required under typical circumstances. If necessary, refer to appropriate governing standards. An eyewash station and a safety shower are recommended.

**SECTION 9: Physical and chemical properties**

(a) Appearance:	White to colored powder
(b) Odor:	None
(c) Odor threshold:	ND
(d) pH:	7.5 - 8.5
(e) Melting point / freezing point:	1,450 Degrees Celsius
(f) Initial boiling point and boiling range:	ND
(g) Flash point	Not Combustible
(h) Evaporation rate (BuAc=1):	ND
(i) Flammability:	ND
(j) Upper/lower flammability or explosive limits:	ND
(k) Vapor Pressure:	ND
(l) Vapor density:	ND
(m) Relative density:	ND
(n) Solubility:	ND
(o) Partition coefficient: n-octanol/water:	ND
(p) Auto-ignition temperature:	ND
(q) Decomposition temperature:	1,450 Degrees Celsius
(r) Viscosity:	ND

**SECTION 10: Stability and reactivity**

(a) Reactivity:	Low, 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 Degrees Celsius

**SECTION 11: Toxicological information**

Acute toxicity	NE
Skin corrosion/irritation	NE
Serious Eye Damage / Irritation	NE
Respiratory or skin sensitization	NE
Germ cell mutagenicity	NE
Carcinogenicity	NE
Reproductive toxicity	NE
STOT-single exposure	NE
STOT-repeated exposure	NE
Aspiration Hazard	NE

(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 tem 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

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

Sweep and dispose of material in accordance with all applicable federal, state and local regulations.

**SECTION 14: Transport information****(a) UN Number**

This product is not regulated as a hazardous material by neither the United States (DOT) Transportation regulations nor Canadian Transportation of Dangerous Goods.

**(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

**SECTION 15: Regulatory information****SARA Reporting Requirements:**

NA

**SARA Threshold Planning Quantity:**

NA

**TSCA Inventory Status:**

ND

**Other Federal Requirements:**

NA

**Other Canadian Regulations:**

NA

**State Regulatory Information:**

NA

**SECTION 16: Other information**

**PREPARED BY:** Kathryn Harris  
**GAR QMS SDS REFERENCE:** A002

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

Health	0
Flammability	0
Reactivity	0
Other	NA

**REVISION NUMBER:** 160204

**CHANGES FROM PREVIOUS VERSION:**

ORIGINAL 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
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	

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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