

SAFETY DATA SHEETS

This SDS packet was issued with item:

073296787

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

071118215 071145481 073296753 073296845 073297405 073297413 073297421 073297447 073297454 073297462

073298502

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).

073296761

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 (H₂O=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+SO₂
 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 (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, and Plaster

(e) Emergency phone number

CHEMTRAC 1-800-424-9300
CCN9105

(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)**

>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	OSHA
	TLV	PEL TWA
CBI	10 mg/m ³	15 mg/m ³ total, 5 mg/m ³ 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:** Kristofer Mainar**GAR QMS SDS REFERENCE:** A002**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

Health	0
Flammability	0
Reactivity	0
Other	NA

REVISION NUMBER: 170725**CHANGES FROM PREVIOUS VERSION:** Checked for accuracy**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

μ 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

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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