SAFETY DATA SHEETS

This SDS packet was issued with item:

073297892

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).

073297603 073297611 073297629 073297637 073297645 073297652 073297660 073297678 073297686 073297694 073297702 073297728 073297736 073297744 073297751 073297769 073297777 073297785 073297793 073297801 073297819 073297827 073297850 073297868 073297876 073297884 073297900 073297918 073297926 073297934 073297942 073297959

Form No. A240 Date Prepared: 5/22/2014

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 (All Colors)

(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
- 2. Crystalline Silica

(b) Label Elements

Hazard statements
None
cautionary statemen

Precautionary statements

None

Hazard Symbol(s) 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.

IARC - International Agency for Research on Cancer: 1- Carcinogenic to humans; NTP National Toxicology Program (Health and Human Services Dept., Public Health Service, NIH/NIEHS): 1- Known to be carcinogen ACGIH American Conference of Governmental Industrial Hygienists: A2 Suspected human carcinogen CAI -65: Listed as Chemical know to the State of California to Cause Cancer

SECTION 3: Composition/information on ingredients

(a) Chemical(s) Identity: Mixture:

(b) Common Name: (c) CAS No. Concentration (Percentage)

Undisclosed due to Confidential Business Information NA >99% Crystalline Silica 14808-60-7 <0.05% Form No. A240 Date Prepared: 5/22/2014

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:

ACGIH OSHA
Chemical TLV PEL TWA

CBI 10 mg/m³ 15 mg/m³ total, 5 mg/m³ respirable

Crystalline Silica 0.1 mg/m³ respirable 0.1 mg/m³ 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. Page 2 of 5

Obtained by Global Safety Management, www.globalsafetynet.com (877) 683-7460

Form No. A240 Date Prepared: 5/22/2014

| OIIII NO. AZTO | Date i repared. |
|--|--|
| SECTION 9: Physical and chemical properties | |
| (a) Appearance: | White to off-white 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 |
| (I) 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 |
| (i) viscosity. | ND |
| SECTION 10: Stability and reactivity | |
| (a) Reactivity: | Low, HMIS 0 |
| • • | Stable |
| (b) Chemical stability: | |
| (c) Possibility of hazardous reactions: | Low |
| (d) Conditions to avoid: | Incompatible with Acids |
| (6.11 | Decomposes to Calcium Oxide and Sulfur Dioxide at 1,450 Degrees |
| (f) Hazardous decomposition products: | Celsius |
| | |
| | |
| SECTION 11: Toxicological information | |
| Acute toxicity | NE NE |
| | NE |
| Acute toxicity Skin corrosion/irritation Serious Eye Damage / Irritation | NE NE |
| Acute toxicity Skin corrosion/irritation Serious Eye Damage / Irritation Respiratory or skin sensitization | NE NE NE |
| Acute toxicity Skin corrosion/irritation Serious Eye Damage / Irritation Respiratory or skin sensitization Germ cell mutagenicity | NE NE NE NE |
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ND

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Safety Data Sheet

Form No. A240 **Date Prepared:** 5/22/2014

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

(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: 140522

CHANGES FROM PREVIOUS VERSION: SECOND VERSION

MADE FORMAT CORRECTIONS

Safety Data Sheet

Form No. A240 Date Prepared: 5/22/2014

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 cento

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) OFCHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. 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 HAZARDS 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.

Form No. A382 **Date Prepared: 7/25/2017**

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

(a) GHS product identifier

Orthoplaster, Orthostone White, Tecstone FL White, Tecstone FL Purple, Cad-Scan (All Colors), Veri Die White Plus, Veri Die Cream, Veri Die Ivory, Veri Die Golden Tan, Veri Die EH Cream, Apex Pearl White, Apex Pastel, Apex Ivory, Apex Light Tan, Apex Yellow, and Tecstone Bright Yellow Sakura

(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
- 2. Undisclosed due to Confidential Business Information

(b) Label Elements

Hazard statements

Suspected of causing cancer. **Precautionary statements**

Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Response

IF exposed or concerned: Get medical attention/advice.

Storage

Store locked up.

Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazard Symbol(s)
Health Hazard
Warning

(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.

Safety Data Sheet

Form No. A382 **Date Prepared: 7/25/2017**

SECTION 3: Composition/information on ingredients

(a) Chemical(s) Identity: Mixture:

(b) Common Name: (c) CAS No. Concentration (Percentage)

Undisclosed due to Confidential Business Information NA >97%
Undisclosed due to Confidential Business Information NA <3%

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. Obtain medical attention.

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:

NΩ

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:

Keep product and empty container away from heat and sources of ignition.

(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:

Wear appropriate personal protective equipment. Ensure adequate ventilation. Avoid dust formation.

(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.

Safety Data Sheet

Form No. A382 **Date Prepared: 7/25/2017**

SECTION 8: Exposure controls/Personal protection

(a) Control parameters:

ACGIH OSHA

Chemical TLV PEL TWA

CBI 10 mg/m³ 15 mg/m³ total, 5 mg/m³ respirable CBI 10 mg/m³ 15 mg/m³ total, 5 mg/m³ 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 |
| (I) 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

3.10.20-FM **Safety Data Sheet** Form No. A382 **Date Prepared:** 7/25/2017 **SECTION 11: Toxicological information** 2. CBI LD50 Oral >10000 mg/kg (Rat) **Acute toxicity** LD50 Dermal >10000 mg/kg (Rabbit) Lc50 Inhalation >5.09 mg/l/4h (Rat) Skin corrosion/irritation NE Serious Eye Damage / Irritation NE NE Respiratory or skin sensitization Germ cell mutagenicity ΝE Carcinogenicity NE Reproductive toxicity ΝE STOT-single exposure NE STOT-repeated exposure NE **Aspiration Hazard** NE inhalation, skin and/or eye contact (a) Exposure route: (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

(f) Transport in bulk

(g) Other Information

NA

NA

NA

Safety Data Sheet

7/25/2017 Form No. A382 **Date Prepared:**

SECTION 15: Regulatory information

Chronic Health Hazard **SARA Reporting Requirements:**

NA **SARA Threshold Planning Quantity:**

ND **TSCA Inventory Status:**

NA Other Federal Requirements:

WHMIS Hazard Class: D2A Very Toxic Materials Other Canadian Regulations:

California Proposition 65: This product contains chemicals the state of California **State Regulatory Information:**

states may cause cancer.

SECTION 16: Other information

PREPARED BY: Kristofer Mainar

GAR QMS SDS REFERENCE: A002

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:

Health 0 Flammability 0 Reactivity Other NA

170725 **REVISION NUMBER:**

CHANGES FROM PREVIOUS VERSION: Checked for accuracy

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

TLm Threshold Limit gm Gram IC Inhibitory Concentration mol Mole 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

NOEL No Observed Effect Level LC Lethal Concentration

ACGIH American Conference of Governmental Industrial Hygienist NOAEL No Observed Adverse Effect Level

CPR Controlled Product's Regulation

OSHA Occupational Safety and Health Administration PEL Permissible Exposure Limit

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List TLV Threshold Limit Value IARC International Agency for Research for Cancer

Safety Data Sheet

Form No. A382 **Date Prepared:** 7/25/2017

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