SAFETY DATA SHEETS

This SDS packet was issued with item:

073297629

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 073297637 073297645 073297652 073297660 073297678 073297686 073297694 073297702 073297728 073297736 073297744 073297751 073297769 073297777 073297785 073297793 073297801 073297819 073297827 073297850 073297868 073297876 073297884 073297892 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

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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

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Safety Data Sheet

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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.



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: 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

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

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 | Carcinogen Category 2 | None |
| | | |

GHS Label Elements:



Statements of Hazard

Suspected of causing cancer by inhalation.

Precautionary Phrases

Obtain special instructions before use.

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

Use personal protective equipment as required. If exposed or concerned: Get medical advice.

Store locked up.

Dispose of contents and container in accordance with local, state, and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | Amount | |
|-------------------------|-------------|--------|--|
| Gypsum Plaster | Mixture | 90-95% | |
| Proprietary Additive | Proprietary | 1-5% | |
| 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. Contains an ingredient that is suspected of causing cancer by inhalation.

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.

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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/m³ TWA OSHA PEL (Respirable Fraction) 15 mg/m³ TWA OSHA PEL (Total dust) | |
|-------------------------|--|--|
| Non-Hazardous Additives | None Established | |
| Proprietary Additive | 10 mg/m ³ TWA ACGIH TLV | |
| | 15 mg/m ³ TWA OSHA PEL (Total Dust) | |

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.

| Physical State: Solid. | Odor Threshold: Not established |
|---|---|
| Vapor Density: Not applicable | Initial Boiling Point/Range: Not available |
| Solubility In Water: Not soluble | Vapor Pressure: Not applicable |
| Relative Density: 2.96 | Evaporation Rate: Not available |
| Melting/Freezing Point: 1450°C (2642°F) | pH: Not applicable |
| VOC Content: 0% | Octanol/Water Coefficient: Not available |
| Solubility: Not available | Decomposition Temperature: 1450°C (2642°F) |
| Viscosity: Not applicable | Flammability (solid, gas): Not flammable |
| Flashpoint: Not applicable | Autoignition Temperature: Not applicable |
| Flammable Limits: LEL: Not applicable | |
| UEL: 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: This product contains a Proprietary Additive which is categorized by IARC as Possibly Carcinogenic to Humans (Category 2B.) None of the other components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

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

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.

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California Proposition 65:



WARNING. Cancer \(\sum \) 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: 181026

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, 8200050, 8200025, 8200110, 8200010, 8200030, 8100075, 8200500, 8100053, 8100113, 8100560, 8100041, 810063, 8100400, 8100510

ABBREVIATIONS

Cancer

NA Not Applicable

ND Not Determined

NE Not Established

TD Toxic Dose

POD Biological Owners

ppm parts per million
G Gallon
COD Chemical Oxygen Demand
mg Milligram
L Liter
ThOD Theoretical Oxygen Demand

gm Gram TLm Threshold Limit
mol Mole IC Inhibitory Concentration
kg Kilogram DOC Dissolved Organic Carbon

μ Micro
 mm Millimeter
 p Pico
 Pa Pascals
 c cento
 H Hours
 M Months
 D Days
 Y Years
 W Weeks

LC Lethal Concentration NOEL No Observed Effect Level

ACGIH American Conference of Governmental NOAEL No Observed Adverse Effect Level Industrial Hygienist OSHA Occupational Safety and Health

CPR Controlled Product Regulation 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

NOTICE

3.10.20-FM **Safety Data Sheet** Form No. A653

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