

SAFETY DATA SHEETS

This SDS packet was issued with item:

073296829

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

071295534

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 (H ₂ 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 ₂
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

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Labstone Buff

Other means of identification:

Synonyms: None

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: None.

Chemical manufacturer address and telephone number:

Manufacturer Name: Kulzer, LLC (Mitsui Chemicals Group)

Address: 4315 South Lafayette Blvd.
South Bend, Indiana 46614-2517
USA

General Phone Number: 800-431-1785

Emergency phone number:

Emergency Phone Number: Chemtrec @ 1-800-424-9300

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Pictograms:



Signal Word: DANGER.

GHS Class: Specific Target Organ Toxicity -STOT Repeated exposure RE. category 1 (Inhalation, Lung).
Carcinogenicity. Category 1A.

Hazard Statements: H372 - Causes damage to organs through prolonged or repeated exposure.
H350 - May cause cancer.

Precautionary Statements: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

Eye: Eye contact with the dust may cause irritation.

Skin: May cause skin irritation.

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if ingested.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Ammonium Chloride	12125-02-9	1 - 5 by weight	
Crystalline Silica (Quartz)	14808-60-7	1 - 5 by weight	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	If dust gets into eyes. Flush eye with water for 15 minutes. Remove contact lenses, if applicable, and continue flushing. If eye irritation persists, consult a specialist.
Skin Contact:	If dust gets onto the skin. Wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If dust is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.
Ingestion:	Accidental ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Use any extinguishing media appropriate for the surrounding fires. Dike to control run-on/run-off if water is used to fight fires
--------------------------------------	---

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	1



SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Persons responding to an accidental release should wear coveralls, gloves, safety glasses or other protective clothing as required. Close-fitting goggles may be necessary in some circumstances to prevent eye contact with dust. Workers should wash and change clothing following cleanup of a spill to prevent personal contamination.
------------------------------	---

Environmental precautions:

Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
-----------------------------------	---

Methods and materials for containment and cleaning up:

Methods for containment:	Collect spillage and prevent from spreading by covering, diking, berming or other means. Minimize dust generation.
Methods for cleanup:	Control source of spillage if possible to do so safely. Restrict access to the area until completion of clean up. Contain spilled material immediately and control run-on and run-off. Clean up spilled material observing precautions listed in Section 8, Personal Protection and using methods that will minimize dust generation. Uncontaminated materials can be recovered for return to process. Contaminated materials should be placed in suitable labeled containers for later recovery or disposal. Waste material must be treated and disposed of in accordance with all local, regional, and national requirements.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	No special handling procedures are required for this material. Avoid dust formation.
Hygiene Practices:	Wash hands with water as a precaution. Do not breathe dust.

Conditions for safe storage, including any incompatibilities:

Storage:	No special storage conditions required.
-----------------	---

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Ammonium Chloride :

Guideline ACGIH:	TLV-STEL: 20 mg/m ³ TLV-TWA: 10 mg/m ³
------------------	---

Crystalline Silica (Quartz) :

Guideline ACGIH:	TLV-TWA: 0.025 mg/m ³ (R)
------------------	--------------------------------------

Calcium Sulfate Hemihydrate :

Guideline ACGIH:	TLV-TWA: 10 mg/m ³ Inhalable fraction (I)
------------------	--

Appropriate engineering controls:

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Individual protection measures:

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Close-fitting goggles may be necessary in some circumstances to prevent eye contact with dust.

Skin Protection Description: Coveralls or other work clothing, safety glasses, and gloves are recommended to prevent prolonged or repeated direct skin and eye contact.

Hand Protection Description: Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.

Respiratory Protection: No personal respiratory protective equipment is normally required. When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Fine powder.

Color: Buff

Odor: Not determined.

Boiling Point: Not determined.

Melting Point: Not determined.

Specific Gravity: 2.3

Solubility: SLIGHT, 0.2% AT 40°C IN WATER

Vapor Pressure: Not determined.

Percent Volatile: Not determined.

Evaporation Rate: Not determined.

pH: Not determined.

Flash Point: Not determined.

Lower Flammable/Explosive Limit: Not determined.

Upper Flammable/Explosive Limit: Not determined.

Auto Ignition Temperature: Not determined.

VOC Content: Not determined.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: None under normal use.

Possibility of hazardous reactions:

Hazardous Polymerization: Will not occur.

Conditions To Avoid:

Conditions to Avoid: Dust dispersion in air.

Incompatible Materials:

Incompatible Materials: None during normal use.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Ammonium Chloride :

Eye: Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild]
Administration into the eye - Rabbit Standard Draize test: 100 mg [Severe] (RTECS)

Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: 1650 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Stability: No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.

DOT UN Number: Not regulated as hazardous material for transportation.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Canada WHMIS: Controlled - Class: D2B Toxic
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Ammonium Chloride:

TSCA Inventory Status: Listed

Canada DSL: Listed

Crystalline Silica (Quartz):

TSCA Inventory Status: Listed

Canada DSL: Listed

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 0
HMIS Reactivity: 1
HMIS Personal Protection: X

Health Hazard	1
Fire Hazard	0
Reactivity	1
Personal Protection	X

SDS Revision Date: May 25, 2015

SDS Format:

SDS Author: Regulatory department

Copyright© 1996-2015 Actio Corporation. All Rights Reserved.

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 ³ TWA OSHA PEL (Respirable Fraction) 15 mg/m ³ 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.

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: 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

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 cento	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.