

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073297157

**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).**

073298098

**Pristine® 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<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

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product name Denatured Alcohol

### Other means of identification

Product Code(s) 3998

UN-No 1170

### Recommended use of the chemical and restrictions on use

Recommended Use Use as a laboratory reagent. Industrial (not for food or food contact use). Laboratory chemicals.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620 USA  
T 410-778-3100  
F 410-778-9748

### Emergency telephone number

24 Hour Emergency Number (CHEM-TEL):USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

## 2. HAZARDS IDENTIFICATION

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 1A
Specific target organ toxicity (single exposure)	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Physical hazards Flammable Liquids.	Category 2

### EMERGENCY OVERVIEW

#### DANGER

#### Hazard statements

Harmful if swallowed. Causes serious eye irritation. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. May cause damage to organs. Causes damage to organs through prolonged or repeated exposure. .  
Highly flammable liquid and vapor.



<b>Appearance</b> Clear, colorless	<b>Physical state</b> liquid	<b>Odor</b> Alcohol
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**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. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell, Rinse mouth

In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up. Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

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

**Other Hazards**

Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Methyl alcohol	67-56-1	<5
Ethyl alcohol	64-17-5	>95

**4. FIRST AID MEASURES****First Aid Measures****General advice**

Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Show this safety data sheet to the doctor in attendance.

**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. If skin irritation persists, call a physician.

**Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and contact emergency personnel. Call a physician immediately.

**Ingestion**

Do not induce vomiting without medical advice. If accidentally swallowed obtain immediate medical attention. Immediate medical attention is required. Rinse mouth.

**Self-protection of the first aider**

Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam.

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Vapors may travel to source of ignition and flash back. Flash back possible over considerable distance.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

See section 8. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

**Environmental precautions**

See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up****Methods for containment**

A vapor suppressing foam may be used to reduce vapors. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Do not flush to sewer.

**Methods for cleaning up**

Minimize the amount spilled and suppress resultant vapors. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not taste or swallow. Do not eat, drink, or smoke when using this product. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Store away from strong acids and oxidizers. Keep out of the reach of children.

**Incompatible Products**

Strong oxidizing agents. Contact with metals (aluminum, zinc, tin) may release hydrogen gas.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl alcohol 67-56-1	250 ppm STEL TWA: 200 ppm	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>
Ethyl alcohol	1000 ppm STEL	TWA: 1000 ppm	IDLH: 3300 ppm

64-17-5		TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
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NIOSH IDLH: Immediately Dangerous to Life or Health

#### Appropriate engineering controls

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems. Use explosion-proof electrical/ventilating/lighting/equipment.

#### Individual protection measures, such as personal protective equipment

**Eye/Face Protection**                      Wear safety glasses with side shields (or goggles).

**Skin and body protection**                      Wear protective gloves/clothing. Wear latex or nitrile gloves. Neoprene gloves.

**Respiratory protection**                      Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene Measures**                              Do not eat, drink or smoke when using this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Alcohol
<b>Appearance</b>	Clear, colorless		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
		No information available	
<b>pH</b>			
<b>Melting point / freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	78.5 °C / 173.3 °F	for SDA (3A) Ethyl Alcohol	
<b>Flash point</b>	16 °C / °F	Closed cup for SDA (3A) Ethyl Alcohol	
<b>Evaporation rate</b>			
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	19%		
<b>Lower flammability limit:</b>	3.3%		
<b>Vapor pressure</b>	48 mmHg @ 20°C	for SDA (3A) Ethyl Alcohol	
<b>Vapor density</b>	1.6 @ 20°C (Air=1)	for SDA (3A) Ethyl Alcohol	
<b>Specific gravity</b>	No information available		
<b>Water solubility</b>	completely soluble		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	363 °C / 685 °F	for SDA (3A) Ethyl Alcohol	
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	No information available		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		

#### Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

### 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions of use and storage.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents. Contact with metals (aluminum, zinc, tin) may release hydrogen gas.
<b>Hazardous decomposition products</b>	Carbon oxides (COx).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl alcohol 67-56-1	= 6200 mg/kg ( Rat )	= 15800 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	Not Established	= 124.7 mg/L ( Rat ) 4 h

### Information on toxicological effects

Chemical name	ACGIH	IARC	NTP	OSHA
Methyl alcohol 67-56-1	Not Established	Not Established	Not Established	Not Established
Ethyl alcohol 64-17-5	A3	Group 1	Known	X

NTP (National Toxicology Program)  
Known - Known Carcinogen

**Chronic toxicity** Prolonged exposure may cause chronic effects. Repeated or prolonged exposure may cause central nervous system damage. May cause adverse liver effects. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage.

<b>ATEmix (oral)</b>	1626
<b>ATEmix (dermal)</b>	6250 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	10.4 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Unknown Aquatic Toxicity** 0 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Methyl alcohol 67-56-1	Not Established	13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	Not Established
Ethyl alcohol 64-17-5	Not Established	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static

### Persistence and degradability

Inherently biodegradable, fulfilling criteria.

### Bioaccumulation/Accumulation

Ethanol:

When released into the soil, this material is expected to quickly evaporate.

When released into water, this material may evaporate to a moderate extent. This material is not expected to significantly bioaccumulate.

When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to be readily removed from the atmosphere by dry and wet deposition. When released into the air, this material is expected to have a half-life between 1 and 10 days.

**Mobility**

Will likely be mobile in the environment due to its water solubility.

Chemical name	Log Pow
Methyl alcohol 67-56-1	-0.77
Ethyl alcohol 64-17-5	-0.32

### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Should not be released into the environment. Dispose of contents/containers in accordance with local regulations.

**Contaminated packaging**

Do not reuse empty containers.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl alcohol 67-56-1	Not Established	Included in waste stream: F039	Not Established	Ignitable waste
Ethyl alcohol 64-17-5	Not Established	-	Not Established	Not Established

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Methyl alcohol 67-56-1	Not Established	Not Established	Not Established	Not Established
Ethyl alcohol 64-17-5	Not Established	Not Established	Not Established	Not Established

Chemical name	California Hazardous Waste Status
Methyl alcohol 67-56-1	-
Ethyl alcohol 64-17-5	-

### 14. TRANSPORT INFORMATION

**DOT**

**Proper shipping name** ETHANOL SOLUTION (5% Methanol Solution)  
**UN-No** 1170  
**Hazard Class** 3  
**Packing group** II

**IATA**

**Proper shipping name** ETHANOL SOLUTION (5% Methanol Solution)  
**UN-No** 1170  
**Hazard Class** 3  
**Packing group** II

**IMDG/IMO**



<b>Proper shipping name</b>	ETHANOL SOLUTION (5% Methanol Solution)
<b>UN-No</b>	1170
<b>Hazard Class</b>	3
<b>Packing group</b>	II

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Does not comply
<b>DSL/NDL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Methyl alcohol 67-56-1	1.0
Ethyl alcohol 64-17-5	Not Established

#### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Methyl alcohol 67-56-1	Not Established	Not Established	Not Established	Not Established
Ethyl alcohol 64-17-5	Not Established	Not Established	Not Established	Not Established

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	RQ
Methyl alcohol 67-56-1	5000 lb	Not Established	RQ 5000 lb final RQ RQ 2270 kg final RQ

Ethyl alcohol 64-17-5	-	Not Established	-
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**US State Regulations****California Proposition 65**

WARNING! This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

(Ethyl alcohol is only considered a Proposition 65 cancer and developmental hazard when it is ingested as an alcoholic beverage)

Chemical name	California Proposition 65
Methyl alcohol 67-56-1	Developmental
Ethyl alcohol 64-17-5	Carcinogen

**U.S. State Right-to-Know Regulations**

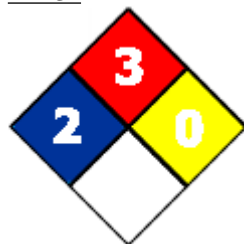
Chemical name	New Jersey	Massachusetts	Pennsylvania
Methyl alcohol 67-56-1	X	X	X
Ethyl alcohol 64-17-5	X	X	X

**CPSC (Consumer Product Safety Commission) - Specially Regulated Substances**

Chemical name	CPSC (Consumer Product Safety Commission) - Specially Regulated Substances
Methyl alcohol 67-56-1	Special labeling, 16 CFR 1500.14 (including mixtures containing $\geq 4\%$ by weight)

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazard 2	Flammability 3	Instability 0	Physical and Chemical Hazards N/A
<b>HMIS</b>	Health hazard 2	Flammability 3	Stability 0	



HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

Prepared by Regulatory Affairs Department  
 Issuing Date Jul-09-2015  
 Revision Date Jul-10-2015  
 Reason for revision New US GHS format  
**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Material Safety Data Sheet**

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

<b>Physical State:</b> Solid.	<b>Odor Threshold:</b> Not established
<b>Vapor Density:</b> Not applicable	<b>Initial Boiling Point/Range:</b> Not available
<b>Solubility In Water:</b> Not soluble	<b>Vapor Pressure:</b> Not applicable
<b>Relative Density:</b> 2.96	<b>Evaporation Rate:</b> Not available
<b>Melting/Freezing Point:</b> 1450°C (2642°F)	<b>pH:</b> Not applicable
<b>VOC Content:</b> 0%	<b>Octanol/Water Coefficient:</b> Not available
<b>Solubility:</b> Not available	<b>Decomposition Temperature:</b> 1450°C (2642°F)
<b>Viscosity:</b> Not applicable	<b>Flammability (solid, gas):</b> Not flammable
<b>Flashpoint:</b> Not applicable	<b>Autoignition Temperature:</b> Not applicable
<b>Flammable Limits: LEL:</b> Not applicable <b>UEL:</b> 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](http://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 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	

#### **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.