

MATERIAL SAFETY DATA SHEET

SECTION 01 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY: Growstone, LLC
1197 Parkway Drive
Santa Fe, New Mexico 87501

Emergency Contact: Don Gray
Emergency Phone: 505-401-8628
PHONE NUMBER: 505-897-1665

DOMESTIC/EXPOSRT TRADE NAME:
Growstone

DESCRIPTION OF MATERIAL: Rigid, porous glass foam media

SECTION 02 - COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

These products consist of glass foam media made from recycled glass. The material contains approximately 95-99% vitreous soda lime glass (inert glass) with other additives as indicated in the table below.

Growstone

Glass	95-99+%
Calcium carbonate	0.5 - 5%
Iron oxide	NA
Quartz	NA
Zirconium vanadium silicate	NA
Zinc Oxide	NA
Silicon Carbide	NA

NA = Not used in the manufacturing process

HAZARDOUS CONSTITUENTS

NA

SECTION 03 - HAZARDS IDENTIFICATION

ACUTE TOXICITY	Possible skin or eye irritation
ORAL TOXICITY:	Ingestion of large amounts may cause gastrointestinal distress
DERMAL TOXICITY:	Glass dust may cause skin irritation
INHALATION TOXICITY:	
SENSITIZER:	No evidence was found of glass or other components acting as a sensitizer.
DOT CORROSIVE:	No data found.
PRIMARY ROUTE(S) OF ENTRY:	Inhalation, skin, and eye contact.

SIGNS AND SYMPTOMS OF EXPOSURE

SYMPTOMS OF INGESTION:	Ingestion of large amounts may cause gastrointestinal disturbances.
SYMPTOMS OF INHALATION:	Effects of inhalation include severe shortness of breath following physical exertion, severe cough, fatigue, loss of appetite, chest pains, fever, chills, tightness of chest, and other pulmonary changes.
SYMPTOMS OF SKIN CONTACT:	Glass dust can cause skin irritation in some individuals.
SYMPTOMS OF EYE CONTACT:	Eye contact can cause severe pain.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	All respiratory or lung conditions, including asthma, bronchitis, and emphysema.
MISCELLANEOUS TOXICITY:	No Data Found
CARCINOGENICITY:	No data found.

SECTION 04 - FIRST AID MEASURES

FIRST AID FOR INGESTION:	If any discomfort occurs, contact a physician.
FIRST AID FOR INHALATION:	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Contact a physician.
FIRST AID FOR SKIN CONTACT:	Wash skin with soap and water. If severe discomfort occurs, call a physician. Wash clothing before reuse.
FIRST AID FOR EYE CONTACT:	Immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician if discomfort continues.
EMERGENCY AND FIRST AID PROCEDURES:	Remove from exposure. Remove contaminated clothing. For eye contact, flush affected area with water. Obtain medical attention if discomfort continues.

Section 05 – FIREFIGHTING MEASURES

FLASH POINT:	None, Not Applicable, Non-combustible material.
AUTOIGNITION TEMP:	None, Not Applicable
FLAMMABLE LIMITS:	None, Not Applicable
FIRE FIGHTING MEDIA:	None, Not Applicable, Non-combustible material.
SPECIAL FIRE FIGHTING PROCEDURES:	None
FIRE/EXPLOSION HAZARDS:	None

SECTION 06 - ACCIDENTAL RELEASE MEASURES

SPILL/LEAK CLEAN-UP PROCEDURES:

Wear NIOSH-approved respirator with dust/mist cartridges and rubber or vinyl gloves. Vacuum using a HEPA vacuum or shovel up spillage. Avoid excessive dust. Wash contaminated clothing before reuse.

EPA HAZARDOUS SUBSTANCE REPORTABLE QUANTITY: Not Listed

SECTION 07 - HANDLING AND STORAGE

PRECAUTIONARY MEASURES:

Use only in well-ventilated area. If respiratory protection is needed, use with any NIOSH-approved particulate respirator. Gloves may be used to help prevent possible skin irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use water spray to control dust.

DISPOSAL METHOD: Dispose of according to Federal, State and Local Regulations.

RCRA CLASS: Not Regulated.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:	Use proper ventilation to control dust.
RESPIRATORY PROTECTION:	Use any NIOSH-approved particulate respirator where TLV or PEL may be exceeded.
EYE PROTECTION:	Wear safety glasses to prevent eye irritation.
SKIN PROTECTION:	Gloves can be used to protect from possible skin irritation.
EXPOSURE LIMITS:	See Section 02 for Composition/Info on Hazardous Ingredients.

SECTION 09 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	4046 Degrees Fahrenheit
VAPOR PRESSURE:	None, Not Applicable
VAPOR DENSITY (AIR=1):	None, Not Applicable
WATER SOLUBILITY:	Insoluble
MELTING/FREEZING POINT:	3110 Degrees Fahrenheit
APPEARANCE:	Rigid, porous solid material in various-sized blocks
SPECIFIC GRAV. (WATER=1):	2.66
PERCENTAGE VOLATILES:	None, Not Applicable
EVAPORATION RATE:	None, Not Applicable
pH OF SOLUTION:	None, Not Applicable
ODOR:	None, Not Applicable
VOLATILE ORGANIC COMPOUNDS (VOC):	None

SECTION 10 - STABILITY AND REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will Not Occur
CONDITIONS TO AVOID:	None Known
INCOMPATIBLE MATERIALS:	None Known
HAZARDOUS DECOMPOSITION PRODUCTS:	None, Not Applicable

SECTION 11 - TRANSPORT INFORMATION

DOT SHIPPING NAME:	Glass
DOT HAZARD CLASS:	None
HAZARDOUS INGREDIENT(S):	
UN NUMBER:	None
EXPORT SHIPPING NAME:	Not Regulated
EXPORT HAZARD CLASS:	Not Regulated
HAZARDOUS INGREDIENT(S):	
UN NUMBER:	None

SECTION 12 DATE: December 22, 2011
