

SECTION 1 : Identification of the substance/preparation and of the company / undertaking**(a) GHS product identifier**

Garreco Glass Beads

(e) Emergency phone number

CHEMTREC 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: (800) 334-1443

SECTION 2: Hazards identification**(a) GHS classification of the substance/mixture****Substance Name**

1. Glass Beads

(b) Label Elements**Hazard statements**

None

Precautionary statements

None

Hazard Symbol(s)

None

Signal Word(s)

None

(c) Other hazards which do not result in classification

SKIN CONTACT: When used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the skin.

IF INHALED: When used for abrasive blasting, this material can fragment into respirable particles and can also generate hazardous air contaminants from the material being blasted. Material as supplied may cause irritation to respiratory tract.

IF SWALLOWED: No known hazard.

EYE CONTACT: When used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the eyes. Material as supplied is practically non-irritating to eyes.

SECTION 3: Composition/information on ingredients**(a) Chemical(s) Identity:****(b) Common Name:**

Glass, oxide

(c) CAS No.

65997-17-3

Mixture:**Concentration (Percentage)**

~100.0

SECTION 4: First-aid measures**(a) Description of first aid measures:**

SKIN: In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops and persists.

IF INHALED: Remove to fresh air.

IF SWALLOWED: Not applicable.

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

IF ON CLOTHING: Remove contaminated clothing and shoes. Wash clothing and shoes thoroughly before reuse.

(b) Most important symptoms and effects, both acute and delayed:

Spilled material is extremely slippery. Noise is a major hazard in abrasive blasting process. Abrasive blasting can generate heat, sparks, and static electrical charge.

(c) Indication of any immediate medical attention and special treatment needed:

ND

SECTION 5: Fire-fighting measures**(a) Suitable extinguishing media:**

This material is compatible with all extinguishing media.

(b) Special hazards arising from the chemical or mixture:

ND

(c) Special protective equipment and precautions for fire-fighters:

Standard turnout gear including rubber boots with slip-resistant soles.

SECTION 6: Accidental release measures**(a) Personal precautions, protective equipment and emergency procedures:**

Wear rubber boots with slip-resistant soles, and NIOSH-approved dust respirator where dust occurs.

(b) Environmental precautions:

Sinks in water. No known hazard to aquatic life.

(c) Methods and material for containment and cleaning up:

Carefully shovel or sweep up spilled material and place in suitable container. Do not walk through spilled material. Avoid generating dust.

SECTION 7: Handling and storage**(a) Precautions for safe handling:**

Avoid contact with eyes, skin, and clothing. Do not breathe dust. Promptly clean up spills. Clean up dust from abrasive blasting by wet sweeping or vacuum with high efficiency particulate filter.

(b) Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Incompatibilities include: Strong acids, strong bases, chlorine trifluoride, ethylene oxide, halogenated hydrocarbon, oxygen difluoride, sodium nitrate, vinyl compounds.

SECTION 8: Exposure controls/Personal protection**(a) Control parameters:**

Chemical	ACGIH		OSHA	
	TLV	TLV-STEL	PEL TWA	PEL CEILING
Glass, Oxide	10 mg/m ³	NE	15 mg/m ³	NE
	(3 mg/m ³ respirable)		(5 mg/m ³ respirable)	

(b) Appropriate Engineering Controls:

Use with adequate ventilation. Keep containers closed. Safety shower and eyewash station should be within direct access.

(c) Individual protection measures:

RESPIRATORY: Use a NIOSH-approved respirator. Observe OSHA regulations for abrasive blasting (29 CFR 1910.94) respirator use (29 CFR §1910.134).

EYE PROTECTION: Wear safety goggles and face shield where respirator design does not provide such protection.

PROTECTIVE GLOVES: Wear heavy canvas or leather gloves.

OTHER PROTECTIVE EQUIPMENT: None listed.

Safety Data Sheet

Form No. A498

Date Prepared:

3/27/2017

SECTION 9: Physical and chemical properties

(a) Appearance:	White glass beads.
(b) Odor:	Odorless.
(c) Odor threshold:	NA
(d) pH:	NA
(e) Melting point / freezing point:	~730 °C
(f) Initial boiling point and boiling range:	NA
(g) Flash point	NA
(h) Evaporation rate (BuAc=1):	NA
(i) Flammability:	NA
(j) Upper/lower flammability or explosive limits:	NA
(k) Vapor Pressure:	NA
(l) Vapor density:	NA
(m) Relative density:	NA
(n) Solubility:	Insoluble.
(o) Partition coefficient: n-octanol/water:	ND
(p) Auto-ignition temperature:	NE
(q) Decomposition temperature:	ND
(r) Viscosity:	NA

SECTION 10: Stability and reactivity

(a) Reactivity:	Not reactive
(b) Chemical stability:	Stable.
(c) Possibility of hazardous reactions:	Hazardous Polymerization will not occur.
(d) Conditions to avoid:	None known.
(f) Hazardous decomposition products:	None known.

SECTION 11: Toxicological information

Acute toxicity	NE
Skin corrosion/irritation	NE
Serious Eye Damage / Irritation	NE
Respiratory or skin sensitization	NE
Germ cell mutagenicity	NE
Carcinogenicity	NE
Reproductive toxicity	NE
STOT-single exposure	NE
STOT-repeated exposure	NE
Aspiration Hazard	NE

(a) Exposure route: NE

(b) Symptoms related to the physical, chemical and toxicological characteristics:

When tested for primary irritation potential, this material was practically nonirritating to the eyes and only slightly irritating to the skin.

(c) Delayed and immediate effects and also chronic effects from short and long term exposure:

NE

(d) Numerical measures of toxicity:

NE

SECTION 12: Ecological information

(a) Ecotoxicity:	NE
(b) Persistence and degradability:	NE
(c) Bioaccumulative potential:	NE
(d) Mobility in soil:	NE
(e) Other adverse effects:	NE

SECTION 13: Disposal considerations

Product:

Recommendation:

WASTE DISPOSAL METHOD: Dispose of properly in accordance with Federal, State, and Local regulations.

SECTION 14: Transport information

(a) UN Number:

NE

(b) UN Proper shipping name:

NE

(c) Transport hazard class(es):

NE

(d) Packing Group:

NE

(e) Environmental hazards:

NE

(f) Transport in bulk:

NE

(g) Other Information:

NE

SECTION 15: Regulatory information

SARA Reporting Requirements:

NE

SARA Threshold Planning Quantity:

NE

TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory.

Other Federal Requirements:

Glass is regarded by FDA as Generally Recognized As Safe (GRAS) to use in contact with food.

Other Canadian Regulations:

NE

State Regulatory Information:

NE

SECTION 16: Other information

PREPARED BY:

Kristofer Mainar

GAR QMS SDS REFERENCE:

A034

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:

Health	0
Flammability	0
Reactivity	0
Other	NA

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

Health	0
Flammability	0
Reactivity	0
Special Information	NA

REVISION NUMBER:

170327

CHANGES FROM PREVIOUS VERSION:

Replaces A216. Reviewed for accuracy on 3/27/17

Safety Data Sheet

Form No. A498

Date Prepared:

3/27/2017

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 cent

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

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

IARC International Agency for Research for Cancer

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) OF CHEMICALS 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

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