

Safety Data Sheet

Form No. A611

Date Prepared:

8/1/2018

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

Garreco Vitex 3D Vest

(e) Emergency phone numberCHEMTREC 1-800-424-9300
CCN9105**(b) Other means of identification**

NA

(c) Recommended use of the chemical and restrictions on use

For professional dental applications.

(d) Supplier's detailsGarreco, 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. Quartz
2. Cristobalite
3. Magnesium Oxide

(b) Label Elements**Hazard statements**

Causes damage to organs through prolonged or repeated exposure.

Precautionary statements**Prevention**

Do not breathe dust.

Get medical attention if you feel unwell.

Dispose of contents in accordance with local/regional/national/international regulations.

Hazard Symbol(s)

Health Hazard

Signal Word(s)

Danger

(c) Other hazards which do not result in classification

ND

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

1. Quartz (SiO₂)
2. Cristobalite
3. Magnesium oxide

(c) CAS No.14808-60-7
14464-46-1
1309-48-4**Mixture:****Concentration (Percentage)**25-50%
25-50%
5-10%

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

IF ON SKIN (or hair): Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water.

IF INHALED: Allow breathing of fresh air. If breathing stops, give artificial respiration. Get medical advice/attention if you feel unwell.

IF SWALLOWED: Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INGESTED: Rinse mouth. Drink plenty of water as a precaution. Get medical advice/attention if you feel unwell.

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

Causes damage to organs through prolonged or repeated exposure.

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

Treat symptomatically.

(d) General information

Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and seek medical advice.

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

Making extinguishing agents environment-friendly. Fire-extinguishing powder. Carbon dioxide. Water spray. For a significant fire Foam. Do not use a heavy water stream.

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

No unusual fire or explosion hazards noted.

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

Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

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

Avoid dust formation. Use personal protective equipment as required. Evacuate unnecessary personnel.

(b) Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

Avoid the generation of dusts during clean-up. Use a HEPA vacuum. For waste disposal, see section 13 of the SDS. Wash spill site.

SECTION 7: Handling and storage

(a) Precautions for safe handling:

Ensure good ventilation of the work station. Avoid dust formation. Do not inhale dust. Exhaust air should only be taken into the open air by suitable separators.

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

Store tightly closed in a dry and cool place.

SECTION 8: Exposure controls/Personal protection

(a) Control parameters:

Chemical	OSHA PEL 8 HR TWA	ACGIH TLV
1. Quartz	50 µg/m ³ respirable	0.025 mg/m ³ TWA (respirable dust)
2. Magnesium oxide	15 mg/m ³ respirable	10 mg/m ³ respirable

(b) Appropriate Engineering Controls:

Use adequate ventilation to keep concentrations below applicable standard.

(c) Individual protection measures:

RESPIRATORY: In case of dust formation, use adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation: Breathing apparatus with filter P1. Recommended filter for short-term use: P2 (FFP 2 EN 149:2001) / P3 (FFP 3 EN 149:2001). (applicable U.S. regulation OSHA 29 CFR 1910.134).

EYE PROTECTION: Chemical goggles or safety glasses.

PROTECTIVE GLOVES: Wear suitable gloves. Nitrile rubber. Latex. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

OTHER PROTECTIVE EQUIPMENT: Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

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

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SECTION 10: Stability and reactivity

- (a) **Reactivity:** Material is stable under normal conditions.
- (b) **Chemical stability:** Material is stable under normal conditions.
- (c) **Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.
- (d) **Conditions to avoid:** None known.
- (f) **Hazardous decomposition products:** No hazardous decomposition products known.

SECTION 11: Toxicological information

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

(a) **Exposure route:** Inhalation

(b) **Symptoms related to the physical, chemical and toxicological characteristics:**
Difficulty breathing, rashes or irritations.

(c) **Delayed and immediate effects and also chronic effects from short and long term exposure:**
Difficulty breathing, rashes or irritations.

(d) **Numerical measures of toxicity:** ND

SECTION 12: Ecological information

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

SECTION 13: Disposal considerations**Product:****Recommendation**

Dispose in a safe manner in accordance with local/national regulations. Do not empty into drains. Do not dispose of with domestic waste.

SECTION 14: Transport information**(a) UN Number**

Not regulated as a hazardous material by DOT

(b) UN Proper shipping name

Not regulated as a hazardous material by DOT

(c) Transport hazard class(es)

Not regulated as a hazardous material by DOT

(d) Packing Group

Not regulated as a hazardous material by DOT

(e) Environmental hazards

Not regulated as a hazardous material by DOT

(f) Transport in bulk

No information available.

(g) Other Information

N/D

SECTION 15: Regulatory information**SARA Reporting Requirements:**

ND

SARA Threshold Planning Quantity:

ND

TSCA Inventory Status:

ND

Other Federal Requirements:

ND

Other Canadian Regulations:

ND

State Regulatory Information:

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Quartz Silica is known by the State of California to cause cancer.

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SECTION 16: Other information**PREPARED BY:** Kristofer Mainar**GAR QMS SDS REFERENCE:**

A610

REVISION NUMBER: 180118**CHANGES FROM PREVIOUS VERSION:** Initial Version**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

OSHA Occupational Safety and Health Administration

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

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

NOEL No Observed Effect Level

NOAEL No Observed Adverse Effect Level

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 THEREOF.