

SECTION 1 : Identification of the substance/preparation and of the company / undertaking

(a) GHS product identifier

Vitex Investment Powder

(e) Emergency phone number

CHEMTRAC 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: 1-800-334-1443

SECTION 2: Hazards identification

(a) GHS classification of the substance/mixture

Substance Name

1. Silica Sand

(b) Label Elements

Hazard Statements

May cause respiratory irritation.

May cause cancer (inhalation).

Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).

Precautionary statements

Wash hands and forearms thoroughly after handling.

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

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear eye protection, protective clothing, protective gloves.

Do not breathe dust.

Use only outdoors or in a well-ventilated area.

Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center if you feel unwell.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal

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

Hazard Symbol(s)

Health Hazard

Exclamation Mark

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. Silica Sand

(c) CAS No.

14808-60-7

Mixture:

Concentration (Percentage)

90.0 - 100.0 %

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

IF EXPOSED OR CONCERNED: Get medical advice/attention. If medical advice is needed, have product container or label at hand.

IF ON SKIN (or hair): Rinse immediately with water. Gently wash with soap and water. Obtain medical attention if irritation persists. Remove contaminated clothing, wash before reuse.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

IF SWALLOWED: DO NOT induce vomiting: seek medical advice immediately and show this container or label.

IF IN EYES: Immediately rinse with water for at least 15 minutes while holding the eyelids wide open. Seek medical attention if material is embedded in eye or if irritation persists

TREATMENT: Treat symptoms conventionally, after thorough decontamination.

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

Irritation to the respiratory tract, sneezing, coughing, burning sensation, difficulty breathing, irritation of skin, eye redness, pain, tears, abdominal pain, respiratory difficulties. May cause cancer.

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

Vomiting, burning sensation of the mouth, throat and gastrointestinal tract or abdominal pain. Burning sensation of throat with constricting sensation of the larynx.

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

Use extinguishing media appropriate for surrounding fire.

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

None known.

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

Fight fire with normal precautions from a reasonable distance. Use normal individual fire protective equipment.

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

Do not breathe dust. Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or seeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Wear suitable protective clothing, gloves and eye/face protections. Use recommended respiratory protection.

(b) Environmental precautions:

NA

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

Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or seeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Wear suitable protective clothing, gloves and eye/face protections.

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

Do not breathe dust. Avoid creating or spreading dust. Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke in areas where product is used.

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

Store in a dry, cool place. Keep container tightly closed. In finely divided state: reacts with (strong) oxidizers such as: hydrofluoric acid, chlorine trifluoride, oxygen difluoride, fluorine. Keep container closed when not in use.

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

Chemical	ACGIH TLV_TWA	OSHA PEL TWA
1. Silica Sand	0.025mg/m ³	(30)/(%SiO ₂ +2) mg/m ³ - total dust (10)/(%SiO ₂ +2) mg/m ³ - respirable dust

(b) Appropriate Engineering Controls:

Ensure adequate ventilation, especially in confined areas. Avoid dust production.

(c) Individual protection measures:

RESPIRATORY: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits. Do not breathe dust. Wear recommended personal protective equipment.

EYE PROTECTION: Protective goggles.

PROTECTIVE GLOVES: Impermeable protective gloves.

OTHER PROTECTIVE EQUIPMENT: Handle in accordance with good industrial hygiene and safety practice. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Wear suitable protective clothing. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

(a) Appearance:	Crystalline solid
(b) Odor:	Odorless
(c) Odor threshold:	ND
(d) pH:	ND
(e) Melting point / freezing point:	1710°C / ND
(f) Initial boiling point and boiling range:	2230°C
(g) Flash point:	ND
(h) Evaporation rate (BuAc=1):	ND
(i) Flammability:	ND
(j) Upper/lower flammability or explosive limits:	ND
(k) Vapor Pressure:	ND
(l) Vapor density:	ND
(m) Relative density:	ND
(n) Solubility:	Water: Insoluble
(o) Partition coefficient: n-octanol/water:	ND
(p) Auto-ignition temperature:	ND
(q) Decomposition temperature:	ND
(r) Viscosity:	ND

SECTION 10: Stability and reactivity

(a) Reactivity:	Hazardous reactions will not occur under normal conditions.
(b) Chemical stability:	Stable under normal temperature and pressure.
(c) Possibility of hazardous reactions:	Hazardous polymerization will not occur.
(d) Conditions to avoid:	None known. Avoid strong oxidizers.
(f) Hazardous decomposition products:	Silica will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

SECTION 11: Toxicological information

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious Eye Damage / Irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	May cause cancer (inhalation)
Reproductive toxicity	Not classified
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).
Aspiration Hazard	Not classified

(a) Exposure route: Inhalation, ingestion or skin/eye exposure

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

Irritation to the respiratory tract, sneezing, coughing, burning sensation, difficulty breathing, irritation of skin, eye redness, pain, tears, abdominal pain, respiratory difficulties. May cause cancer.

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

Irritation to the respiratory tract, sneezing, coughing, burning sensation, difficulty breathing, irritation of skin, eye redness, pain, tears, abdominal pain, respiratory difficulties. May cause cancer.

(d) Numerical measures of toxicity: ND

SECTION 12: Ecological information**(a) Ecotoxicity:**

No additional information available.

(b) Persistence and degradability:

Not readily biodegradable.

(c) Bioaccumulative potential:

Not expected to bioaccumulate

(d) Mobility in soil:

No additional information available.

(e) Other adverse effects:

No additional information available.

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

Disposal must be done according to official regulations. Non hazardous waste.

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

No dangerous good in sense of transport regulations.

(b) UN Proper shipping name

Not applicable.

(c) Transport hazard class(es)

No additional information available.

(d) Packing Group

Not applicable.

(e) Environmental hazards

No additional information available.

(f) Transport in bulk

No additional information available.

(g) Other Information

No additional information available.

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

Yes

SARA Threshold Planning Quantity:SARA section 311/312 Hazard Classes
Immediate (acute) health hazard, Delayed (chronic) health hazard**TSCA Inventory Status:**

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Other Federal Requirements:Listed on IARC (International Agency for Research on Cancer)
Listed as a carcinogen on NTP (National Toxicology Program)**Other Canadian Regulations:**Listed on the Canadian DSL (Domestic Substances List) inventory.
WHMIS Classification: Class D Division 2 Subdivision A - Very toxic material
causing other toxic effects.**State Regulatory Information:**U.S. - California - Proposition 65 - Carcinogen
WARNING! This product contains Quartz, a substance known to the State of
California to cause cancer.**SECTION 16: Other information****PREPARED BY:**

Kathryn Harris

GAR QMS SDS REFERENCE:

A035

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:2 Health
0 Flammability
0 Reactivity
E Other**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING:**2 Health
0 Fire
0 Reactivity**REVISION NUMBER:**

150701

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 cent

LC Lethal Concentration

ACGIH American Conference of Governmental Industrial Hygienist

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

NOAEL No Observed Adverse Effect Level

OSHA Occupational Safety and Health Administration

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

NOEL No Observed Effect Level

CPR Controlled Product's Regulation

DSL Canadian Domestic Substances List

PEL Permissible Exposure Limit

TLV Threshold Limit Value

Safety Data Sheet

Form No. A319

Date Prepared: 7/1/2015

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.