

SAFETY DATA SHEETS

This SDS packet was issued with item:

073299021

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

073299005 073299013

UltraVest Liquid, Regular

Material Safety Data Sheet

Section I	Manufacturer's Name	Emergency Telephone Number: CHEMTREC 800-424-9300
	Garreco, Inc.	Telephone Number for Information: 501-362-6261
	P. O. Box 1258	Date Prepared: 5/16/2011
	Heber Springs, AR 72543	

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended
SiO ₂ Colloidal Silica	NAIF	6mg/m ³	NAIF

Section III - Physical/Chemical Characteristics

Boiling Point: 212°F	Specific Gravity (H ₂ O=1): NAIF
Vapor Pressure (mm Hg.): 10.4	Melting Point: NAIF
Vapor Density (AIR=1): NAIF	Evaporation Rate (Butyl Acetate =1): NAIF
Solubility in Water: Soluble	Appearance and Odor: Liquid, No Odor

Section IV - Fire and Explosion Hazard Data

Flash Point : None	Flammable Limits	LEL: None	UEL: None
Extinguishing Media: Not Required	Special Fire Fighting Procedures: None		
Unusual Fire and Explosion Hazards: None			

Section V - Reactivity Data

Stability: Stable	Conditions to Avoid: None
Incompatibility: NAIF	
Hazardous Decomposition or By-products: NAIF+A24	
Hazardous Polymerization Will Not Occur	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin?Yes	Ingestion? Yes
Health Hazards: May cause silicosis, cancer, or scleroderma. May increase the risk of tuberculosis or nephrotoxicity.			
Carcinogenicity:	NTP? No	IARC Monographs? Yes	OSHA Regulated? No
Signs and Symptoms of Exposure: Shortness of breath, coughing			
Medical Conditions Generally Aggravated by Exposure: Upper respiratory conditions and lung diseases			
Emergency and First Aid Procedures: Inhalation: Remove to fresh air. Ingestion: For large amounts consult physician.			
Eye: Flush with water for 15 minutes. OBTAIN MEDICAL ATTENTION IF NEEDED.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Collect into disposal container.	
Do not allow excess amounts of liquid to reach dry state.	
Waste Disposal Method: Standard landfill methods consistent with federal, state, and local laws.	
Precautions to Be Taken in Handling and Storing: Avoid dusting conditions	

Section VIII - Control Measures

Respiratory Protection: Required if product becomes airborne		
Ventilation	Local Exhaust: As needed to reduce dust to meet PEL	Special: NAIF
	Mechanical (General): Vent to dust collector	Other: NAIF
Protective Gloves: As desired		Eye Protection: Recommended
Other Protective Clothing or Equipment: As desired		Work/Hygienic Practices: NAIF

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Form No. A327

Date Prepared:

4/12/2017

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

Ultravest Universal Investment Formula Hi-X Investment
Liquid and Perfect Press Investment Liquid

(e) Emergency phone number

CHEMTRAC 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 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**

Water solution of colloidal silicic acid

(b) Label Elements**Hazard statements**

NA

Precautionary statements

Keep out of eyes.

Avoid excessive contact with skin.

Do not ingest.

Use outside or in a well-ventilated area.

Response**IF ON SKIN:** Wash with plenty of water. If skin reaction occurs, contact a physician.**IF INHALED:** Supply fresh air. If there is difficulty in breathing, medical attention should be obtained.**IF SWALLOWED:** Rinse mouth out immediately. If the patient feels unwell, seek medical advice.**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Storage**

Keep in original container.

Disposal

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

Hazard Symbol(s)

NONE

Signal Word(s)

NONE

(c) Other hazards which do not result in classification

NONE

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

Amorphous Silica

(c) CAS No.

7631-86-9

Mixture:**Concentration (Percentage)**

ND

SECTION 4: First-aid measures**(a) Description of first aid measures:****IF ON SKIN:** Wash skin immediately with plenty of water. If skin reaction occurs, contact a physician.**IF INHALED:** Supply fresh air. If there is difficulty in breathing, medical attention should be obtained.**IF SWALLOWED:** Rinse mouth out immediately. If the patient feels unwell, seek medical advice.**IF IN EYES:** Rinse for 15 minutes with water. Remove contacts if present and easy to do. If necessary consult an eye specialist.**(b) Most important symptoms and effects, both acute and delayed:**

Difficulty breathing, eye irritation.

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

Irritated skin, eyes or lungs.

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

No restrictions in fire situations.

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

ND

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

None.

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

When handling observe the usual precautionary measures for chemicals.

(b) Environmental precautions:

ND

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

Rinse off small quantities with plenty of water.

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

Goggles. When handling observe the usual precautionary measures for chemicals.

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

No special measures required. Protect from frost.

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

Chemical	ACGIH TLV	OSHA PEL TWA
Amorphous Silica	ND	80 mg / m ³

(b) Appropriate Engineering Controls:

None required

(c) Individual protection measures:

Goggles. When handling observe the usual precautionary measures for chemicals.

SECTION 9: Physical and chemical properties

(a) Appearance:	Liquid
(b) Odor:	Odorless
(c) Odor threshold:	NA
(d) pH:	9 - 10 at 20° C
(e) Melting point / freezing point:	ND / ~0° C
(f) Initial boiling point and boiling range:	100° C at 1013 mbar
(g) Flash point:	NA
(h) Evaporation rate (BuAc=1):	ND
(i) Flammability:	ND
(j) Upper/lower flammability or explosive limits:	NA
(k) Vapor Pressure:	~20 mbar at 20° C
(l) Vapor density:	ND
(m) Relative density:	1.09 - 1.35 g/cm ³ at 20° C
(n) Solubility:	Miscible
(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:	NA
(b) Chemical stability:	Stable
(c) Possibility of hazardous reactions:	None observed.
(d) Conditions to avoid:	Temperatures cool enough to frost.
(f) Hazardous decomposition products:	None observed.

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Date Prepared: 4/12/2017**SECTION 11: Toxicological information**

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

(a) Exposure route: Eyes, skin and lungs.

(b) Symptoms related to the physical, chemical and toxicological characteristics:
Eye, skin, or lung irritation.(c) Delayed and immediate effects and also chronic effects from short and long term exposure:
ND

(d) Numerical measures of toxicity: LD50 oral, rat > 15,000 mg/kg

SECTION 12: Ecological information

(a) Ecotoxicity:	activated sludge micro-organism=> 10,000 mg/l Zebra barbel (Brachydanio rerio) LC0: 5,000 mg/l
(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 of contents in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

(a) UN Number	Not regulated
(b) UN Proper shipping name	NA
(c) Transport hazard class(es)	NA
(d) Packing Group	NA
(e) Environmental hazards	NA
(f) Transport in bulk	NA
(g) Other Information	NA

SECTION 15: Regulatory information

SARA Reporting Requirements:	None
SARA Threshold Planning Quantity:	NA
TSCA Inventory Status:	NA
Other Federal Requirements:	NA
Other Canadian Regulations:	NA
State Regulatory Information:	NA

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4/12/2017

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

A038

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:

Health	0
Flammability	0
Reactivity	0
Other	None

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING:

Health	0
Flammability	0
Reactivity	0
Other	None

REVISION NUMBER:

170412

CHANGES FROM PREVIOUS VERSION: Added Chemtrec account number on 4/12/17.**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

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

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

PEL Permissible Exposure Limit

TLV Threshold Limit Value

NOAEL No Observed Adverse Effect Level

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.