

**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

**(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	OSHA
	TLV	PEL TWA
Amorphous Silica	ND	80 mg / m <sup>3</sup>

**(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<sup>3</sup> 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.

**Safety Data Sheet**

Form No. A327

Date Prepared:

7/7/2015

**SECTION 11: Toxicological information**

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

**Safety Data Sheet**

Form No. A327

Date Prepared:

7/7/2015

**SECTION 16: Other information****PREPARED BY:**

Kathryn Harris

**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:**

150707

**CHANGES FROM PREVIOUS VERSION:****ABBREVIATIONS**

NA Not Applicable	LD Lethal Dose
ND Not Determined	TC Toxic Concentration
NE Not Established	TD Toxic Dose
ppm parts per million	BOD Biological Oxygen Demand
G Gallon	COD Chemical Oxygen Demand
mg Milligram	Lo Lowest
L Liter	ThOD Theoretical Oxygen Demand
gm Gram	TLm Threshold Limit
mol Mole	IC Inhibitory Concentration
kg Kilogram	DOC Dissolved Organic Carbon
μ Micro	H Hours
mm Millimeter	M Months
p Pico	D Days
Pa Pascals	Y Years
c cento	W Weeks
LC Lethal Concentration	NOEL No Observed Effect Level
ACGIH American Conference of Governmental Industrial Hygienist	CPR Controlled Product's Regulation
DSL Canadian Domestic Substances List	PEL Permissible Exposure Limit
NDSL Canadian Non-domestic Substance List	TLV Threshold Limit Value
IARC International Agency for Research for Cancer	NOAEL No Observed Adverse Effect Level
OSHA Occupational Safety and Health Administration	

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.