

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

CHEMTREC 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/cm³ 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

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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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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:

210329

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

Note: on 11/22/19 this SDS was corrected to show CHEMTREC instead of CHEMTRAC
Reviewed and replaces A327

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

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.