

MATERIAL SAFETY DATA SHEET

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

1.1 Product identifier

Product name. Concrete Sealer UCS-502

1.2 Recommended use and restriction on use Concrete floor

General use Do not use except to purpose
Restriction on Use

1.3 Details of the supplier of the safety data sheet

Ultra epoxy,Corp
1201 Ave H,Grand Prairie,TX 75050
214-753-4423

1.4 Emergency telephone number

214-753-4423

SECTION 2: Hazards identification

2.1 GHS classification

Physical hazards

Health hazards

Skin corrosion/irritation :2
Serious eye damage/eye irritation : 2
Skin sensitization : 2

2.2 Label elements

GHS label elements, including
precautionary statements
Hazard symbols

:



Signal words
Hazard statements

Warning
H315 + H320 Causes skin and eye irritation

Precautionary statements
Prevent

Prevention:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water
for several minutes. Remove contact lenses, if present and easy
to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302+P352 IF ON SKIN: Gently wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 Get medical advice/attention if you feel unwell. P321 Specific treatment (see ... on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P363 Wash contaminated clothing before reuse.
 P391 Collect spillage.

Storage

P403+P233 save to save. Stored at 50~95°F at the same time in the state when water-based products should not be frozen
 Take a look. To store in steel or stainless steel or plastic containers

Disposal

P501 Disposed of contents/container in accordance with local/regional/ national regulation.

SECTION 3: Composition/information on ingredients

Chemical name	Trade name and Synonyms	CAS No	Content (%)
Proprietary Component 1	***	(CAS No) Trade Secret	Trade Secret
Proprietary Component 2	***	(CAS No) Trade Secret	Trade Secret
Proprietary Component 3	***	(CAS No) Trade Secret	Trade Secret

SECTION 4: First aid measures

General advice

Move out of dangerous area.
 Consult a physician.

If inhaled

Show this material safety data sheet to the doctor in attendance
 Move to fresh air.

In case of skin contact

Consult a physician after significant exposure.
 Take off contaminated clothing and shoes immediately.
 Wash off with soap and plenty of water.

In case of eye contact

If symptoms persist, call a physician
 Remove contact lenses.
 Keep eye wide open while rinsing.
 If eye irritation persists, consult a specialist

If swallowed	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention
Most important symptoms/effects, acute and delayed	Not available
Note to physician	Medical follow-up survey when exposed to contact and keep special first aid measures, such as. Medical personnel are aware of the substance to take protective measures please

SECTION 5: Firefighting measures

Suitable(and unsuitable) extinguish media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective actions for fire-fighters	In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions	Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling	Avoid exceeding the given occupational exposure limits (see section 8). For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations

SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.
Engineering measures

Personal protective equipment	Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Respiratory protection	Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary
Eye protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hygiene measures	Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 9: Physical and chemical properties

A. Appearance	
Physical state	viscous liquid
color	Clear, colorless
B. Odour	odorless
C. Odour threshold	Not available
D. pH	9~10
E. Melting point/ freezing point	32 °F
F. Initial b.p and b.p range	Not available
G. Flash point	Not available
H. Evaporation rate	Not available
I. Flammability(solid,gas)	Not available
J. Upper/lower flammability or explosive limits	Not available
K. Vapor pressure	Not available
L. Solubility	Not available
M. Vapor density	Not available
N. Specific gravity	Not available
O. Partition coefficient of n-octanol/water	Not available
P. Auto-ignition temperature	Not available
Q. Decomposition temperature	Not available
R. Viscosity	Not available
S. Molecular weight	Not available

SECTION 10: Stability and reactivity

A. Chemical stability	Stable under normal temperature and pressure Containers may explode when heated
B. Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions
C. Condition to avoid	No date available
D. Materials to avoid	No date available
E. Hazardous decomposition products	Under normal conditions hazardous decomposition products should not be produced

SECTION 11: Toxicological information

Silicon dioxide

A. Information on the likely routes of exposure

Acute toxicity

Inhalation	Not available
Oral	Not available
Dermal	Not available
Serious eye damage/irritation	Causes severe eye irritation

B. Delayed, acute and chronic effects from short- and long-term exposure

Inhalation	LD50 > 3160mg/kg Rat LD
Oral	LD50 > 500mg/kg Rabbit
Dermal	Mist LC50 5.01 mg/ℓ 4 hr Rat
Serious eye damage/irritation	Not available
Severe eye damage and irritation	Not available
Respiratory hypersensitivity	Not available

Specific target organ toxicity (repeated exposure) (Silica) In humans, quartz and cristobalite have been reported to cause silicosis. Experiment
It has also been reported that animals can form fibers in quartz and cristobalite. About quartz Autoimmune disease, chronic kidney disease, etc.

SECTION 12: Ecological information

Toxicity	
Fish	LL0 10000 mg/ℓ 96 hr Brachydanio rerio
Silicon dioxide	C50 > 5000 mg/ℓ 48 hr Daphnia magna
Algae	EC50 > 173.1 mg/ℓ 72 hr (NOEC : 173.1mg/L)
Persistence	
Persistence and degradability	
Persistence	og Kow 0.53
Bioaccumulative potential	
Accumulative potential	BCF 3.162
Mobility in soil	Not available
Other adverse effects	Not available

SECTION 13: Disposal considerations

Disposal methods

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

A. UN number

Not dangerous goods

B. UN Proper shipping name

Not dangerous goods

C. Transport hazard class

Not dangerous goods

D. Packing group

Not dangerous goods

E. Environmental hazards

Not dangerous goods

F. Specific precautions for user related transport

No special precautions or requirements for transport

In case of fire emergency

Emergency spill

SECTION 15: Regulatory information

A. National and/or international regulatory information

POPs Management Law

Not applicable

U.S. Federal regulations

Not applicable

OSHA PROCESS SAFETY

Not applicable

CERCLA Section 103

Not applicable

EPCRA Section 302

Not applicable

EPCRA Section 304

Not applicable

EPCRA Section 313

Not applicable

Rotterdam Convention listed ingredients

Not applicable

Stockholm Convention listed ingredients

Not applicable

Montreal Protocol listed ingredients

Not applicable

Information of EU Classification (Classification)

Not applicable

SECTION 16: Other information

A. The source of data

The information contained herein is believed to be accurate.

It is provided independently of any sale of the product for purpose of hazardcommunication.

It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein. - This Safety Data Sheet was compiled with data and information from the following sources: OSHA, NITE, ESIS, NLM, SIDS, IPCS