

MATERIAL SAFETY DATA SHEET

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

1.1 Product identifier

Product name. Urethane topcoat part B

1.2 Recommended use and restriction on use Floor Coating

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	Flammable liquids : 3
Health hazards	Acute toxicity(dermal) : 2 Skin corrosion/irritation :2 Serious eye damage/eye irritation : 2A Skin sensitization : 1
Environmental hazards	Hazardous to the aquatic environment : 2

2.2 Label elements

GHS label elements, including
precautionary statements
Hazard symbols



Signal words
Hazard statements

Danger
H226 Flammable liquid and vapor
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause organ damage through prolonged or repeated exposure.

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Precautionary statements Prevent	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed P242 Use only non-sparking tools. P243 Take precautions against static electricity. P260 Do not breathe (gas/mist/vapors/spray). P261 Avoid breathing (gas/mist/vapors/spray). P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Handle only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/safety glasses/face protection.
Response	P301+P310 If swallowed, seek medical attention immediately. P302+P352 If on skin: Wash with plenty of soap and water. P303+P361+P353 If on skin (or hair): Take off or remove all contaminated clothing. Wash skin with water. P304+P340 If inhaled: Move to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. If possible, remove contact lenses. P312 If you feel uncomfortable, consult a medical institution (doctor). P321 Give necessary first aid. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P370+P378 In case of fire, use a fire extinguisher to put out the fire.
Storage	P403+P233 Keep container tightly closed in a well-ventilated place. P403+P235 Store in a well-ventilated place and keep at low temperature. P405 Store in a locked storage location.
Disposal	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

Chemical name	Trade name and Synonyms	CAS No	Content (%)
Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	-	28182-81-2	45-55
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	bis(2-ethylhexyl) terephthalate	6422-86-2	5-10
Solvent naphtha (petroleum), light arom.	-	64742-95-6	40-50

SECTION 4: First aid measures

General advice	Seek medical advice or medical attention if condition persists.
A. Eye contact	Flush eyes with plenty of water for at least 15 minutes. Get urgent medical attention. If eye irritation persists, seek medical advice/attention. If you are wearing contact lenses, remove them first. do not rub your eyes

B. Skin contact	Take off contaminated clothing and shoes and wash immediately with soap and water for at least 15 minutes. Wash contaminated clothing thoroughly before reuse. Immediately seek medical attention from a medical institution (doctor). If skin irritation occurs: Get medical advice/attention. Wash thoroughly after handling.
C. Inhalation	If exposed to large amounts of vapor or mist, move to a place with fresh air. Move to fresh air. Take action as necessary. If swallowed, seek medical attention immediately. If the substance is ingested or inhaled, use the mouth-to-mouth method. Please use appropriate respiratory medical equipment. If swallowed, rinse mouth. Don't try to make him vomit. Take action as necessary.
D. Swallowing	

SECTION 5: Firefighting measures

A. Extinguish media Suitable Unsuitable	Water spray,Dry powder,Carbon-dioxide,Foam. Do not use water jet as an extinguisher,as this will spread the fire.
B. Specific hazards arising from the chemical	In case of fire toxicumes might be formed. Heat,spark,fire can explosive
C. Fire-fighting equipment/ instruction	Fire-fighter must standard protective equip,ent including flame retardant coat, helmet, with face shield,g;oves, rubber boots,& in enclosed spaces,SCBA. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Move containers from dire area if you can do so without risk. For massive fire in cargo area,use unmanned hose holder or monitor nozzle,if possible. If not,withdraw and let fire burn out. Some of these materials, if spilled,may evaporate leaving a flammableresidue. Cool containers exposed to flames with water until well after the fire is out.

SECTION 6: Accidental release measures

A. Personal precautions, protective equipment and emergency procedures	Dust, fumes, gas, mist or vapor,· Avoid inhalation of spray. Wipe spills immediately that, protection protest Follow precautions. Please remove all sources of ignition If you do not risk a leak, stop it Without appropriate protective clothing Do not touch damaged containers or spills There is no leak at the front of the fire protection of beams arc vapor Wear Please stop the spread by covering it with plastic sheets Prevent formation of dust
B. Environmental precautions	Please note that to avoid substances and conditions Avoid release to the environment. Waterways, sewers, basements, please avoid entering into a confined space

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C. Methods and materials for containment and cleaning up

Embankments built for the digestion of water collection please.
Inert material (eg dry sand or earth), and to absorb spill, chemical waste, put it in a container.
Moisten with water to remove dust and prevent scattering follow.
To absorb the liquid detergent and wash contaminated area in the press.
When large amounts of liquid spills and leaks by far Make a ditch
Clean spillage collected using explosion-proof tools and follow a loosely covered plastic container and add
A shovel to clean spillage clean, dry container containing a loosely closed containers from spill area after the turn to move
Leak powder to prevent the spread by covering it with plastic sheeting to keep dry, please
Small spills on sand, non-combustible material to absorb and container fence to follow
Handling / storage please use caution.
Open your carefully before opening the cap.
Long-term or continuous skin contact barricade.
Please note that to avoid substances and conditions
Please pay attention to high-temperature
Disposal according to local regulations

SECTION 7: Handling and storage

A. Precautions for safe handling

Read and understand all safety precautions before you Do not handle.
Dust, fumes, gas, mist or vapor Avoid inhalation of spray.
Wash hands thoroughly after handling.
When using this product, eat, drink or Do not breathe.
A well-ventilated area or outdoors Please treat.
Workplace Do not export out of the contaminated clothing.
Pressure or, cut, or welding, soldering, bonding, drilling, grinding or heat, uncovered, flames, sparks, static electricity or other sources of ignition Do not expose to.
Product containers have been emptied of debris may remain after all MSDS / label precautions Follow.
Handling / storage please use caution.
Open your carefully before opening the cap.
Long-term or continuous skin contact barricade.
Please note that to avoid substances and conditions
Please pay attention to high-temperature

B. Conditions for safe storage

Do not use damaged containers.
Check periodically for leaks.
Do not apply heat directly.
Keep away from heat, sparks, open flames and high temperatures -
No smoking, no fire, please collect in an airtight container.
Be aware of substances and conditions to avoid.
Store away from water supplies and sewers.
Store container tightly closed in a well-ventilated place.
Store in a well-ventilated place and keep at low temperature.
Avoid static electricity and store away from heat sources such as boilers or combustibles.

SECTION 8: Exposure controls/personal protection

A.Exposures limit value,biological limit value etc

Composition	Domestic Provision	ACGIH Provision
Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data	No data
Solvent naphtha (petroleum), light arom.	No data	No data

B. Appropriate engineering controls

Process isolation, local exhaust, or air to adjust to levels below the exposure guidelines go for the other engineering controls.
During operation of dust, fume or mist occurs, the air pollution please ventilation to maintain exposures below occupational limits
Store or use this material, washing facilities and safety shower facility below to install.

C. Individual protection measures
Respiratory protection

Under conditions of frequent use or heavy exposure, respiratory protection may be needed
Respiratory protection is ranked in order from minimum to maximum.
Keep Consider warning properties before use.
Respirator (direct type small, organic gas)
Any chemical cartridge respirator (full facepiece and an organic vapor canister)
Any air-purifying respirator (full facepiece and an organic vapor canister)
For Unknown Concentrations or Immediately Dangerous to Life or Health if:
Any supplied-air respirator (compound airline mask), air respirator with a full facepiece

Eye/face protection

Protection from non-hazardous liquid products or Wear safety glasses.
Wash facilities and emergency workshop near three facilities (shower type) Keep installed.

Wear appropriate chemical resistant gloves.

SECTION 9: Physical and chemical properties

A. Appearance	
Physical state	Liquid
color	Clear
B. Odour	Slight odour
D. pH	Not available
E. Boiling point	Not available
F. Melting point	Not available
G. Freezing point	> 32 °C (89 °F)
H. Flash point	Not available
I. SP.Gr	Not available
J. Viscosity	Not available
K. Viper density	Not available
L. Viper pressure	
M. Solubility	Insoluble
N. Explotion limits in air	Not available
O. specific gravity	0.94±0.05 (Water :1)

SECTION 10: Stability and reactivity

Skin protection

A. Stability & hazardous reaction potential	Stable under recommended storage and handling. Containers may explode when heated. In case of fire, irritating, corrosive and toxic gases may be generated. Flammable liquids and vapors
B. Condition to avoid	Keep away from heat, sparks, open flames and high temperatures. -No smoking. Avoid incompatible substances and conditions.
C. Incompatible materials	combustible material Avoid incompatible substances and conditions.
D. Hazardous decomposition products	Irritating, toxic gas Irritating and extremely harmful due to thermal decomposition or combustion during burning. Toxic gases may be generated

SECTION 11: Toxicological information

*Information on likely route of exposure
May cause irritation, nausea, vomiting, and headache.
Causes serious eye irritation.
May cause irritation (sometimes severe).

A. Information on healthy hazards

Acute oral toxicity

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data
Solvent naphtha (petroleum), light arom.	LD50(Rat):>5000mg/kg(IUCLID)

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Transcutaneous

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data
Solvent naphtha (petroleum), light arom.	LD50(Rabbit):>2000mg/kg (IUCLID)

Inhalation

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data
Solvent naphtha (petroleum), light arom.	LC50(Rat):5.2mg/L (IUCLID)

Skin corrosion or irritation

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	Causes mild irritation in humans upon occasional skin exposure.
Solvent naphtha (petroleum), light arom.	May cause irritation.

Serious eye damage or irritation

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data
Solvent naphtha (petroleum), light arom.	Slight to moderate irritant.

Respiratory sensitization

No data

Skin sensitization

No data

Carcinogenicity

	IARC	OSHA	ACGIH	NTP	EU CLP
Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data	No data	No data	No data	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data	No data	No data	No data	No data
Solvent naphtha (petroleum), light arom.	No data	No data	No data	No data	No data

SECTION 12: Ecological information

A. Aquatic/terrarium toxicity

Fishes

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data
Solvent naphtha (petroleum), light arom.	LC50=9.22mg/l, 96h, Oncorhynchus mykiss

Crustacea

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data
Solvent naphtha (petroleum), light arom.	No data

Birds

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	No data
Solvent naphtha (petroleum), light arom.	No data

B. Persistence and degradability

Persistence

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	log Kow = 8.390 (est, NLM: HSDB)
Solvent naphtha (petroleum), light arom.	Oxidized by photochemical reaction in the presence of air

Degradability	No data
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C. Bioaccumulative potential Accumulative potential

Biodegradability	No data
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F. Mobility in soil

Styrene, n-butyl acrylate, 2-hydroxyethyl acrylate, methacrylic acid copolymer	No data
1,4-Benzenedicarboxylic acid bis (2-ethylhexyl) ester	Koc = 870,000
Solvent naphtha (petroleum), light arom.	No data

G. Other adverse effect	No data
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SECTION 13: Disposal considerations

- A. Disposal methods
- Waste is a mixture of two or more is specified, the process is difficult to separate
In case of incineration or similar may be stabilized reduction
Detachable water separation leading the way will be pre-treated
Will be incinerated
Keep high-temperature incineration.
Substances such as organic solvents, recycling and recovery of the high-temperature incineration residues Keep
- B. Disposal Considerations
- Operators to discharge industrial waste (industrial waste emitters) in the workplace Themselves or waste treatment, waste disposal contractor, and others who regeneration of waste, waste treatment facilities, person who establish and operate should be handled.

SECTION 14: Transport information

- A. UN number 1263
B. UN Proper shipping name PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
C. Transport hazard class Class 3
D. Packing group 3
E. Environmental hazards Not available
In case of fire emergency F - E
Emergency spill S - E

SECTION 15: Regulatory information

- A. National and/or international regulatory information
- POPs Management Law Not applicable
U.S. Federal regulations
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
Information of EU Classification(Risk Phrases)

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R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic life, long lasting in the aquatic environment
May cause adverse effects.

Information of EU Classification(Safety Phrase)

S2 Keep out of reach of children.
S24/25 Avoid contact with skin and eyes.
S37/39 Wear suitable protective gloves and eye/face protection
S61 Avoid release to the environment.
Refer to environment-related laws and health data

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

Hazardous Material Information System (HMIS):

Scale 0-4 NFPA HMIS

4=Severe Hazard

3=Serious Hazard

2=Moderate Hazard

1=Slight Hazard

0=Minimal Hazard

Health : 2

Flammability : 2

Reactivity : 0

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.