

MATERIAL SAFETY DATA SHEET

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

1.1 Product identifier

Product name. Solarshield Roof Paint

1.2 Recommended use and restriction on use Steel plate, tent, cement, lime, slate, stone floor

General use Heat insulating and waterproofing materials, (Use Category 8 - Coatings and Painting Agents)

Restriction on Use For professional use only.

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	Classification (GHS-US)
Health hazards	Skin Irrit. 2 H315 Eye Irrit. 2A H319 STOT RE 2 H373

2.2 Label elements

GHS label elements, including
precautionary statements
Hazard symbols

:



Signal words
Hazard statements

Warning
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure(oral)

Precautionary Statements (GHS-US)

P261 - Avoid breathing mist, spray, vapors
P264 - Wash hands, forearms, and exposed areas thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear eye protection, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 - IF INHALED: Remove person 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. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 - Call a POISON CENTER/doctor/physician if you feel unwell
 P321 - Specific treatment (see Section 4)
 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

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.

General Information: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. Repeated or prolonged contact causes sensitization, asthma and eczemas.

SECTION 3: Composition/information on ingredients

Chemical name	Trade name and Synonyms	CAS No	Content (%)
2-Propenoic acid butyl ester polymer with ethyl 2-propenoate and 2-propenenitrile	2-Propenoic acid, butyl ester, polymer with ethyl 2-propenoate and 2-propenenitrile Acrylonitrile, butyl acrylate, ethyl acrylate polymer	29437-34-1	60-70
Limestone	CALCIUM CARBONATE	1317-65-3	5-10
Water	DIHYDROGEN OXIDE	7732-18-5	5-10
Aluminate silicate	ALUMINATE SILICATE	1327-36-2	20-25
Titanium dioxide	Titanium dioxide	13463-67-7	0.5-3

SECTION 4: First aid measures

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms and Effects Both Acute and Delayed

General: Irritation to eyes, skin and respiratory tract. Causes damage to organs (kidneys) (Oral).

Inhalation: May cause respiratory irritation. May cause drowsiness or dizziness.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion may cause nausea, vomiting and diarrhea.
Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure.
Indication of Any Immediate Medical Attention and Special Treatment Needed
If medical advice is needed, have product container or label at hand

SECTION 5: Firefighting measures

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray, fog.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperature

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions

Advice for Firefighters

Precautionary Measures Fire: Not available

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Oxides of aluminum. Oxides of titanium.

Reference to Other Sections

Refer to section 9 for flammability properties

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Incompatible Materials: None known.

Storage Temperature: > 0 °C (32°F)

Specific End Use(s) Acrylic base coat

SECTION 8: Exposure controls/personal protection

2-Propenoic acid butyl ester polymer with ethyl 2-propenoate and 2-propenenitrile	No data
Limestone	TWA - 10mg/m ³
Water	No data
Aluminate silicate	TWA - 10mg/m ³
Titanium dioxide	TWA - 10mg/m ³

Special Note for Exposure Control: Consult local authorities for acceptable exposure limits.

OSHA PEL (TWA): Not Determined

ACGIH TLV (TWA): Not Determined

NIOSH REL (TWA): Not Determined

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Protective goggles

Materials for Protective Clothing: Not available

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke

SECTION 9: Physical and chemical properties

Form:	Liquid
Odor:	Mild
Color:	White
PH Value:	7-8
Flash point:	Not available
Boiling Point:	No data
Vapor Pressure:	No data
Vapor Density:	No data
Density (Nominal):	No data
Solubility in water:	soluble in water
Evaporation Rate (Butyl Acetate = 1):	Not Determined
Volatile Organic Compounds:	Nil

SECTION 10: Stability and reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable at standard temperature and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible Materials: None known.

Hazardous Decomposition Products: When heated, material emits irritating fumes.

SECTION 11: Toxicological information

Information on Toxicological Effects - Product

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation. May cause drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure.

Acute oral toxicity

2-Propenoic acid butyl ester polymer with ethyl

2-propenoate and 2-propenenitrile

Limestone

Water

Aluminosilicate

Titanium dioxide

No data

No data

LD50 90000 mg/kg Rat(LD50 > 90 ml/kg (Rat))

LD50 > 2000 mg/kg Rat

LD50 > 5000 mg/kg bw , Rat

Dermal toxicity

2-Propenoic acid butyl ester polymer with ethyl

2-propenoate and 2-propenenitrile

Limestone

Water

Aluminosilicate

Titanium dioxide

No data

No data

No data

LD50 > 5000 mg/kg Rabbit

No data

Inhalation

2-Propenoic acid butyl ester polymer with ethyl

2-propenoate and 2-propenenitrile

Limestone

Water

Aluminosilicate

Titanium dioxide

No data

No data

No data

Dust LC50> 2.07 mg/ l 4 hr Rat

LC50> 6820 mg/ l 4h, Rat

Skin irritation & stimulant

2-Propenoic acid butyl ester polymer with ethyl	No data
2-propenoate and 2-propenenitrile	No data
Limestone	No data
Water	No data
Aluminosilicate	Skin test results showed no irritation.
Titanium dioxide	Not applicable

Eye damage & stimulant

2-Propenoic acid butyl ester polymer with ethyl	No data
2-propenoate and 2-propenenitrile	No data
Limestone	No data
Water	No data
Aluminosilicate	Non-irritating, Rabbit
Titanium dioxide	No data

Respiratory sensitization

No data

Skin sensitization

2-Propenoic acid butyl ester polymer with ethyl	No data
2-propenoate and 2-propenenitrile	No data
Limestone	No data
Water	No data
Aluminosilicate	Non-irritating, Rabbit
Titanium dioxide	No data

Carcinogenicity

IARC	Not available
NTP	Not available
OSHA	Not available
WISHA	Not available
ACGIH	Not available
EU CLP	Not available

SECTION 12: Ecological information

A. Aquatic/terrarium toxicity
Fishes

2-Propenoic acid butyl ester polymer with ethyl	No data
2-propenoate and 2-propenenitrile	No data
Limestone	No data
Water	No data
Aluminosilicate	LL0 10000 mg/l 96 hr Danio rerio, OECD
Titanium dioxide	LC50 96h,Pisces (*OECS203)

Crustacea

2-Propenoic acid butyl ester polymer with ethyl 2-propenoate and 2-propenenitrile	No data
Limestone	No data
Water	No data
Aluminosilicate	EC0 > 1000 mg/ ℓ 48 hr Daphnia magna
Titanium dioxide	EC50 > 1000 mg/ ℓ , 48 hr shellfish (*OECD202)

Birds

2-Propenoic acid butyl ester polymer with ethyl 2-propenoate and 2-propenenitrile	No data
Limestone	No data
Water	No data
Aluminosilicate	EC10 41 mg/ ℓ 72hr Desmodemus subspicatus
Titanium dioxide	EC50 72 hr algae (*OECD201)

B. Persistence

2-Propenoic acid butyl ester polymer with ethyl 2-propenoate and 2-propenenitrile	No data
Limestone	No data
Water	log Kow -1.38
Aluminosilicate	No data
Titanium dioxide	No data

C. Degradability	No data
D. Condensibility	No data
E. Biodegradability	No data
F. Mobility in soil	No data
G. Other adverse effect	No data

SECTION 13: Disposal considerations

Waste Disposal: Dispose in accordance with federal, state and local regulations.

The generation of waste should be avoided or minimized wherever possible. Empty containers should be taken to an approved waste-handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers).

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

2-Propenoic acid butyl ester polymer with ethyl
2-propenoate and 2-propenenitrile

Not applicable

Limestone

Substances subject to work environment measurement,
substances subject to special health examination,
Substances for which exposure standards are set.

Water

Not applicable

Aluminosilicate

Hazardous substances subject to management, substances
subject to work environment measurement,
Substances subject to special health examination,
substances for which exposure standards are set

Titanium dioxide

Hazardous substances subject to management, substances
subject to work environment measurement,Substances
subject to special health examination, substances for
which exposure standards are set

Titanium dioxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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

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.