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**SECTION 1. PRODUCT IDENTIFICATION**  
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SUPPLIED BY: **EMERGENCY CONTACT CHEMTREC: 1-800-424-9300**

CureUV  
2801 Rosselle St.  
Jacksonville, FL 32205

PRODUCT NAME:  
CureUV 511043 UV Curable Clear Coating for Roofing Tiles  
CHEMICAL FAMILY:  
Mixture  
SYNONYMS:  
Mixture of UV Curable Oligomers, Monomers, Photoinitiators and Additives

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**SECTION 2. HAZARD IDENTIFICATION**  
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EMERGENCY OVERVIEW:  
COLOR: Pigmented  
FORM/APPEARANCE: Liquid  
ODOR: Acrylate odor

HAZARD STATEMENTS:



GHS CLASSIFICATION:  
Skin Corrosion/Irritation Hazard Category 2  
Serious Eye Damage/Eye Irritation Hazard Category 2A  
Skin Sensitizer Hazard Category 1B  
Aquatic Environment Acute Hazard Category 2  
Aquatic Environment Chronic Hazard Category 2

SIGNAL WORD:  
DANGER!

HAZARD STATEMENTS:  
Causes skin irritation  
Causes serious eye damage  
May cause an allergic skin reaction

PRECAUTIONARY STATEMENTS:  
Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
IF ON SKIN: Wash with plenty of soap and water.  
Take off all contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for a minimum of 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
Dispose of contents/container in accordance with local and national regulations.

HAZARDS NOT OTHERWISE CLASSIFIED, OTHER HAZARDS:  
Polymerization may occur from excessive heat, contamination or exposure to direct sunlight.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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INGREDIENT	CAS NO.	WT%
Acrylated Ester Monomer	*****	*****
Acrylated Oligomer	*****	*****
Methacrylate Ester Derivative	*****	*****
Ketone Derivatives	*****	*****
1-Methoxy-2-propanol acetate	108-65-6	<2.50

\*\*\*\*\* The Specific chemical identity and/or weight percent is being withheld as a trade secret

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**SECTION 4. FIRST-AID MEASURES**

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EMERGENCY AND FIRST AID PROCEDURES:  
EYE: Flush with clean, lukewarm water for at least 15 minutes and seek medical attention.  
SKIN: Remove contaminated clothing and wash affected skin areas with soap and water. Particular attention should be paid to hair, nose, ears, and other areas not easily cleaned. Wash clothing prior to reuse. Seek medical attention. Avoid contact with UV and sunlight.  
INHALATION: Remove to fresh air, apply artificial respiration or administer oxygen if necessary. Call a physician for serious symptoms.  
INGESTION: If appreciable quantities are swallowed, seek medical attention.

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**SECTION 5. FIRE-FIGHTING MEASURES**

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FLASH POINT: N/A                      FLAMMABILITY CLASS: Non-Flammable  
EXTINGUISHING MEDIA: Water spray, foam dry chemical, or carbon dioxide. Avoid use of a direct water stream.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure build-up in containers when heated. Cool containers exposed to fire with water to prevent polymerization. Rapid and uncontrolled polymerization caused by heat and pressure build-up can result in explosions and the violent rupture of storage vessels or containers.

**SPECIAL FIRE FIGHTING PROCEDURES:** Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists. Equipment should be thoroughly decontaminated after use.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE:** Equip persons with appropriate safety equipment (see section 8.). Material can create slippery conditions. Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Dike around spilled material, apply absorbent material and transfer into suitable container for recovery or disposal. Remove container to safe area and seal.

**WASTE DISPOSAL METHODS:** Waste material must be disposed of in accordance with federal, state and local environmental regulations.

**SECTION 7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Always wear recommended personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Avoid spillage that can cause very slippery conditions on floors. Use with adequate ventilation. Keep container closed when not in use.

**PRECAUTIONS TO BE TAKEN IN STORAGE:** Protect containers from damage and storage in extremes of heat or cold. Protect from light and storage temperature should not exceed 100 F. Keep in a cool, dry, well-ventilated place.

**OTHER PRECAUTIONS:** Solvents should not be used to clean skin as hazards associated with skin penetration may be experienced. Emptied containers retain vapor and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non-industrial purposes is prohibited and any reuse must be in consideration of the data provided in this MSDS.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:**

Name:	CAS #:	ACGIH TLV	OSHA PEL	OSHA STEL
Mixture	N/A	Not Available	Not Available	Not Available
Acrylated Ester Monomer	*****	Not Available	Not Available	Not Available
Acrylated Oligomer	*****	Not Available	Not Available	Not Available
Methacrylate Ester Derivative	*****	Not Available	Not Available	Not Available
Ketone Derivatives	*****	Not Available	Not Available	Not Available
1-Methoxy-2-propanol acetate	108-65-6	Not Available	Not Available	Not Available

\*\*\*\*\* The Specific chemical identity and/or weight percent is being withheld as a trade secret

TLV=Threshold Limit Value

PEL=Permissible Exposure Level

STEL=Short Term Exposure Level

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:** Avoid breathing vapor or mist. When exposed to aerosol vapors, use full face organic vapor cartridge respirator with particulate pre-filter. In emergency situations, use self-contained breathing apparatus or other air supplied full-face respirator.

**VENTILATION:** Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.

**PROTECTIVE GLOVES:** Natural rubber or neoprene gloves recommended. A combination of barrier cream, applied before exposure, is recommended. Do not apply cream after exposure.

**EYE PROTECTION:** Wear face shield. Have eye wash facilities immediately available at any location where eye contact can occur.

**OTHER EQUIPMENT:** Eye wash and safety shower recommended.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING RANGE:** >212F/100C

**SPECIFIC GRAVITY:** 1.05 – 1.35

**VAPOR DENSITY:** not established

**pH:** not applicable

**ODOR:** Acrylate odor

**PERCENT VOLATILE BY WEIGHT:** <3.0%

**EVAPORATION RATE:** not applicable

**WATER SOLUBILITY:** Slightly soluble

**APPEARANCE:** Pigmented liquid

**VAPOR PRESSURE:** not established

**VOC:** EPA Method (less water), lb/gal 0.25 max

Actual wt% 2.87 max

Actual, lb/gal 0.25 max

**HAP:** 0.00 lb/lb

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**SECTION 10. STABILITY AND REACTIVITY**

**STABILITY:** Normally Stable

**INCOMPATIBILITY:** Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon; hydrocarbons

**HAZARDOUS POLYMERIZATION:** May occur. Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in a violent rupture of sealed storage vessels or containers.

**CONDITIONS TO AVOID:** Storage > 100 deg. F, exposure to light, contamination with incompatible materials, and inert gas blanketing.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**TOXICOLOGY TEST DATA**

This product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

**Acute Toxicity:**

Oral: LD50, rat 6,800 mg/kg, non-toxic

Dermal: LD50, rabbit, >2,000 mg/kg, no more than slightly toxic

Eye irritation: rabbit, slightly irritating to eyes

Skin irritation: rabbit, slightly irritating to skin



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Skin sensitization: guinea pig; skin sensitization not produced in laboratory animals.  
human volunteers; predictive patch testing did not produce dermal sensitization.

**Repeat Dose Toxicity:**

Dermal: rabbit; repeated skin exposure produced irritation in animal studies.

Development Toxicity: rat; no adverse treatment related effects in offspring.

Carcinogenicity: rat; no tumors

Matagenicity: Both positive and negative responses observed in standard tests for genetic changes.

**SECTION 12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL TOXICITY TEST DATA:**

This product has not been tested. The statements on environmental toxicity have been derived from products of a similar structure and composition.

Invertebrates: 48hr, LC50, Water flea (Daphnia magna) 35.96 mg/l

Fish: 96hr, LC50, Fish 4.9 mg/l

Algae: 96hr, EC50, Algae 3.68 mg/l

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHODS:** Waste material must be disposed of in accordance with federal, state and local environmental regulations. Do not discharge into waterways or sewer systems without proper authority.

**SECTION 14. TRANSPORT INFORMATION**

NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

**SECTION 15. REGULATORY INFORMATION**

This product is hazardous according to the OSHA Hazard Communication Standard.

SARA hazard categories (311/312): This product contains components that are classified as the following health and/or physical hazards according to Section 311 and 312:

Immediate (acute) health hazard

Delayed (chronic) health hazard

Reactive hazard

SARA Title III, Section 313: None known

CERCLA RQ: Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.



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TSCA INVENTORY STATUS: Components listed on inventory  
DSL (CANADA) INVENTORY STATUS: Components listed on inventory

STATE REGULATIONS/STATE RTK:  
None known

CALIFORNIA PROPOSITION 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute:  
None known

WHMIS:  
INGREDIENT DISCLOSURE LIST:  
CAS NUMBER           CHEMICAL NAME  
N/A  
MIXTURE CLASSIFICATION: D2B

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**SECTION 16. OTHER INFORMATION**

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ORIGINAL DATE: 6/2/17  
REVISION DATE: 8/22/19

HMIS RATING:  
Health: 2      Flammability: 1      Physical Hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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