



## SAFETY DATA SHEET

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ACU-THANE  
**Product use:** Waterproof roofing coating  
**Chemical Family:** Polyurethane sealant  
**Manufacturer Name:** Advanced Coating Systems, Inc.  
**Street Address:** 2230 Towne Lake Pkwy, Bldg.1000 Ste.150  
**City:** Woodstock **State:** GA **Zip Code:** 30189 **Phone:** (678)445-0040  
**Emergency Telephone:** INFOTRAC, 24hrs – (800)535-5053

### SECTION 2- HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

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**PHYSICAL APPEARANCE:** Viscous liquid

**IMMEDIATE CONCERNS:** CAUTION! May cause eye, skin, nose and throat irritation.

#### POTENTIAL HEALTH EFFECTS

**Eyes:** May cause eyes irritation.

**SKIN:** May cause skin irritation.

**SKIN ABSORPTION:** None known.

**INGESTION:** Not expected to be ingested.

**INHALATION:** May cause respiratory tract irritation.

**CHRONIC:** None known.

**MUTAGENICITY:** None known.

#### REPRODUCTIVE TOXICITY

**REPRODUCTIVE EFFECTS:** None known.

**TERATOGENIC EFFECTS:** None known.

**IRRITANCY:** None known.

#### CLASSIFICATION:

**Eye irritation:** Category 2A.

**Skin irritation:** Category 2.

**Specific Target Organ Toxicity (Single Exposure):** Category 3

#### PICTOGRAM:



**Signal word**

Warning

#### HAZARD STATEMENTS:

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

#### PRECAUTIONARY STATEMENTS:

Wear protective gloves/eye/face protection/protective clothing.  
 Wash hands thoroughly after handling.  
 Avoid breathing dust/fume/gas/mist/spray.  
 Use only outdoors or in well-ventilated area.  
 Keep container tightly closed.  
 Store in a cool/well-ventilated place.  
 Dispose of contents and container in accordance with all local, regional, national and international regulations.

**SECTION 3- COMPOSITION AND INFORMATION ON INGREDIENTS**

Components	CAS Number	% by Wt
Calcium Carbonate**	1317-65-3	20 - 30
Urethane Polymers	NA-Mixture	25 - 35
Titanium Dioxide**	13463-67-7	4 - 8
1,2 Benzisothiazoline-3-one	2634-33-5	0.1 – 0.3

**SECTION 4- FIRST-AID MEASURES**

**EYES:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**SKIN:** Wash the contaminated area with soap and water. Remove contaminated clothing and wash before reuse. If irritation develops, get medical attention.

**INGESTION:** If swallowed, DO NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Seek immediate medical attention.

**INHALATION:** Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**  
 Causes eye irritation, mild to moderate skin irritant, single dose toxicity low to moderate by ingestion, prolonged or excessive inhalation may cause respiratory tract irritation.

**SYMPTOMS:** N/A  
**EFFECTS:** N/A  
**NOTES TO PHYSICIAN:** Treat symptomatically.

**SECTION 5- FIRE AND EXPLOSION HAZARDS**

**SUITABLE EXTINGUISHING MEDIA:** Foam, extinguishing powder, carbon dioxide, water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CAUTION: Use of water spray when fighting fire may be inefficient.

**FIRE FIGHTING PROCEDURES:** As appropriate for surrounding materials/equipment. If electrical equipment is involved, the use of foam should be avoided. Use water spray to cool non- involved containers. Do not breathe fumes. Move containers from area if you can do it without risk. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved) and full protective gear.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** N/A

**COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide.

**SECTION 6- ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** None

**SMALL SPILL:** Ventilate area. Absorb spill with absorbent material such as sawdust, vermiculite or sand, and place in a closed container.

**LARGE SPILL:** In case of large spill, dike the area to prevent this material from entering water systems or sewers. Use a non-combustible material like vermiculite, sand or earth to soak the product and place into a container for later disposal. Following product recovery, flush area with water.

**ENVIRONMENTAL PRECAUTIONS:** Avoid discharge into drains, water courses or onto the ground.

**PERSONAL PRECAUTIONS:** Do not eat, drink or smoke while cleaning up. Ensure adequate ventilation.

**PROTECTIVE EQUIPMENT:** Wear protective clothing, safety glasses and impervious gloves (e.g., neoprene gloves). (PPE)

**EMERGENCY PRECAUTIONS:** N/A

**METHOD OF CLEANING UP:** Absorb on liquid-absorbing material (treated sawdust, diatomaceous earth, sand). Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

#### SECTION 7- HANDLING AND STORAGE:

**PRECAUTIONS FOR SAFE HANDLING:** Avoid contact with eyes. Avoid skin contact and breathing mists/vapors. Use in well-ventilated area. Keep container tightly closed. Do not empty waste into sanitary drains. Do not handle material near food, feed or drinking water.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:** Store at temperatures between +5 and +50°C  
- Store only in the original container. Incompatible materials none known. Protect material from direct sunlight. Keep from freezing. Do not store near food, feed or drinking water.

#### SECTION 8- EXPOSURE CONTROLS AND PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL
Titanium Dioxide 13463-67-7	-	TWA: 15 mg/m3 total dust (vacated) TWA: 10 mg/m3 total dust
Calcium Carbonate 1317-65-3	-	TWA: 15 mg/m3 total dust TWA: 5 mg/m3 respirable fraction (vacated) TWA: 15 mg/m3 total dust (vacated) TWA: 5 mg/m3 respirable fraction

**ENGINEERING CONTROLS:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s). General ventilation is recommended. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protection devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**SKIN:** Wear chemical resistant gloves. Wear protective clothing to prevent skin contact. Keep exposed skin area to a minimum. Eye wash station and safety shower should be available.

**RESPIRATORY:** If exposure can exceed the PEL/TLV, use only NIOSH/MSHA approved air purifying or supplied air respirator operated in a positive pressure mode per the NIOSH/OSHA occupational health guidelines for chemical hazards. If it is possible to generate significant levels of vapors or mists, a NIOSH approved or equivalent respirator is recommended.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work, using plenty of soap and water. Open containers of food and beverages should be kept away from areas where the product is used or stored. Eating, drinking, smoking and application of cosmetics should be prohibited in areas where the product is being used.

**OTHER USE PRECAUTIONS:** Use only as directed.

**COMMENTS:** N/A

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Viscous Liquid

**COLOR:** White and others.

**ODOUR:** Slight

**ODOUR THRESHOLD:** N/A

**pH:** 8.5 to 9.5

**MELTING POINT:** N/A

**BOILING POINT:** >100°C

**FLASH POINT AND METHOD:** N/A

**EVAPORATION RATE:** N/A **FLAMMABILITY (Solid/Gas):** N/A **FLAMMABLE LIMITS:** N/A

**VAPOUR PRESSURE:** N/A

**VAPOUR DENSITY:** N/A

**SPECIFIC GRAVITY:** 1.27

**% SOLUBILITY IN WATER:** Miscible **OCTANOL/WATER PARTITION COEFFICIENT:** N/A **AUTO-IGNITION TEMPERATURE:** N/A **DECOMPOSITION TEMPERATURE:** N/A

**POUR POINT:** N/A

**MOLECULAR FORMULA:** N/A

**% VOLATILE:** 40 (Water)

**VISCOSITY:** 18000 Cps minimum

**MOLECULAR WEIGHT:** N/A

## SECTION 10- STABILITY AND REACTIVITY

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Extremes of temperature and direct sunlight.

**STABILITY:** Stable under normal conditions of use and storage **POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No hazardous decomposition products are known.

**INCOMPATIBLE MATERIALS:** None Known.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Does not occur.

## SECTION 11- TOXICOLOGICAL INFORMATION

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** None known.

**ACUTE EFFECTS:**

**EYE:** Exposure to liquid or vapor causes eye irritation. Symptoms may include stinging, tearing, and swelling.

**SKIN:** Exposure causes skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

**INHALATION:** Breathing small amounts during normal handling is not likely to cause harmful effects. Symptoms of exposure may include: Irritation (nose, throat, and respiratory tract).

**INGESTION:** Single dose or oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Symptoms may include: Gastrointestinal irritation (nausea, vomiting, and diarrhea).

**TARGET ORGAN:** None known.

**CHRONIC EFFECTS:** None known.

**ACUTE TOXICITY VALUES:**

Calculated overall Chemical Acute Toxicity Values		
LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
N/A	N/A	N/A

#### **SYMPTOMS OF RELATED**

**PHYSICAL:** N/A

**CHEMICAL:** N/A

**TOXICOLOGICAL CHARACTERISTICS:** This product is not classified as a carcinogen. This product is not expected to cause reproductive or development effects.

#### **SECTION 12- ENVIRONMENTAL INFORMATION**

**DELAYED AND IMMEDIATE EFFECTS:** N/A

**ECOTOXICOLOGICAL INFORMATION:** No ecotoxicity data was found for this product.

**PERSISTENCE AND DEGRADABILITY:** N/A

**BIO-ACCUMULATIVE POTENTIAL:** Contains components with the potential to bio-accumulate.

**MOBILITY:** N/A

**OTHER ADVERSE EFFECTS:** N/A

#### **SECTION 13- DISPOSAL CONSIDERATIONS**

##### **WASTE TREATMENT METHODS**

**DISPOSAL METHOD:** This material must be disposed of in accordance with all local, state provincial, and federal regulations. Avoid disposal by using the entire product as directed. If discarded in liquid form, this product may be treated in accordance with all local, state provincial, and federal regulations. Unused product may be disposed of as solid waste once cured out and dry. Check with local authorities regarding landfill disposal.

**EMPTY CONTAINER:** Empty containers should be decontaminated and either passed to an approved drum recycler or crushed and land filled. Container must be disposed of in accordance with all local, state provincial, and federal regulations.

#### **SECTION 14- TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)** Not Regulated.

**UN NUMBER:** N/A

**UN PROPER SHIPPING NAME:** Not Regulated for Transport.

**TRANSPORT HAZARD CLASS:** N/A

**PACKING GROUP:** N/A

**MARINE POLLUTANT:** N/A

**SPECIAL PRECAUTIONS:** N/A

## SECTION 15- REGULATORY INFORMATION

**TSCA (Toxic Substances Control Act) Regulations:** This material or its components are listed on the TSCA Chemical Substance Inventory and is in compliance with all applicable rules and orders.

**SARA:** This material does not contain any substances in the list of Toxic Chemicals subject to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III), in excess of the applicable de minimis concentrations as specified in Section 372.38 (a).

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Reportable Component CAS No Weight % (+ 2%)

Water 7732-18-5 35 – 40

Calcium Carbonate 14808-60-7 20 – 30

Urethane polymer NA 25 – 35

Titanium Oxide 13463-67-7 4 – 8

1,2 Benzisothiazoline-3-one 2634-33-5 0.1 – 0.3

Ethylene glycol 107-21-1 0.02 – 0.1

This product or mixture does not contain a toxic chemical or chemical in excess of the applicable de minimis concentration as specific in 2004/42/CE

## SECTION 16- OTHER USEFUL INFORMATION

DATE ISSUED:	02/02/2016
REVISION:	02/02/2016
SDS REF. No:	Acu-Thane
REVISION INDICATOR:	1.2

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**End of Material Safety Data Sheet**