



MATERIAL SAFETY DATA SHEET

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ACU-SHIELD: CERAMIC

Product use: Elastomeric roof coating for concrete, metal, SPF, asphaltic and other substrates

Chemical Family: Acrylic polymer pigments, fillers and water mixture

Manufacturer Name: Advanced Coating Systems, Inc.

Street Address: 2230 Towne Lake Pkwy, Bldg.1000 Ste.150

City: Woodstock **State:** GA **Zip Code:** 30189

Emergency Telephone: INFOTRAC, 24hrs – (800)535-5053

SECTION 2- COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS Number	% by Wt
Acrylic co-polymer	Trade secret	35 max
Titanium Dioxide	13463-67-7	30 max
Zinc Oxide	1314-13-2	6 max
Calcium Carbonate	1317-65-3	35 max
Ceramic Microspheres	66402-68-4	15 max
Water	7732-18-5	40 max

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance is white moderately thick liquid

WARNING! Harmful if swallowed. May cause eye and skin irritation

HMS Rating: Health - 1 Flammability - 0 Reactivity - 0

NFPA Rating: Health - 1 Flammability - 0 Reactivity - 0

POTENTIAL HEALTH EFFECTS:

Skin	May Cause Drying
Eyes	May Cause Irritation
Inhalation	None Known
Ingestion	May result in nausea, vomiting, and/or diarrhea

SECTION 4- FIRST-AID MEASURES

Eye Contact: Flush with large amounts of potable water for 10 to 15 minutes

Skin Contact If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothing
If symptoms persist or reoccur, seek medical attention.

Other: KEEP OUT OF REACH OF CHILDREN. If swallowed, give a glassful of water. Call a physician. In case of eye contact, flush with water.

SECTION 5- FIRE AND EXPLOSION HAZARDS

Flammability (if yes under what conditions):	Non-Combustible
Flash Point (°F) & Method of determination	N/A
Upper Flammability (% by volume)	N/A
Lower Flammability (% by volume)	N/A
Auto-Ignition Temp (°F)	N/A
Explosion Data	N/A
Hazardous Combustion Products	N/A
Sensitivity to Static Discharge	N/A

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL REGULATIONS. Small quantities may be disposed of in refuse or in sewer. First check with your local water treatment plant. For larger quantities, incineration is preferred. Do not landfill.

Steps To Be Taken in Case Material is Released or Spilled: Keep spectators away. Floor may be slippery, use care to avoid falling. Sorbents may be used. Scoop or shovel solid material into a suitable container for recovery or disposal. Keep spills out of municipal sewers and open bodies of water.

SECTION 7- HANDLING AND STORAGE

STORAGE REQUIREMENTS:

Do not store above 120 °F (48°C) or below 40°F (4°C)

SPECIAL HANDLING INFORMATION

Do not allow to freeze, protect containers from rupture.

SECTION 8- EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not applicable

EYE PROTECTION: If splash is likely, chemical goggles may be needed.

SKIN: Wear impervious gloves and clothing should be used for prolonged contact

VENTILATION: None required with normal use

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE AND ODOR: White moderately thick liquid, mild ammoniacal odor

BOILING POINT: 212°F (100°C)

FREEZING POINT: 32°F (0°C)

DENSITY (LB/GAL): 11.40 +/- 0.5

Ph: >8.0 +/- 0.5

VAPOR PRESSURE: Greater than 1

SOLUBILITY: completely soluble in water

EVAPORATION RATE: Slower than ether

V.O.C. 54 g/L

SECTION 10- STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS OF REACTIVITY: N/A

HAZARDOUS POLYMERIZATION: N/K

HAZARDOUS DECOMPOSITION PRODUCTS: N/K

SECTION 11- TOXICOLOGICAL INFORMATION

LD50 (Oral, rat) = 1620 mg/kg

LD50 (Dermal, Rabbit) = > 2000 mg/kg

Eye irritation (Rabbit) = No data available

Skin irritation (Rabbit) = No data available

SECTION 12- ENVIRONMENTAL INFORMATION

Based on ecotoxicity and environmental fate data for the individual ingredients in this specific formulation and for related cleaning product formulations, it is expected that this product would exhibit a non-hazardous order of toxicity at relevant environmental concentrations.

SECTION 13- DISPOSAL CONSIDERATIONS

Disposal procedures must be in accordance with local regulations. Responsibility for proper waste disposal is with the owner of the waste.

SECTION 14- TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not regulated

DOT HAZARD CLASSIFICATION: Not classified as a hazardous material under HM 181

DOT LABELING REQUIREMENTS: N/A

SECTION 15- REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA):	No TSCA substances exist in this product
COMPREHENSIVE ENVIRONMENTAL AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III	
No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present	
SECTION 311/312 HAZARD CATEGORIES:	N/A
SECTION 313 REPORTABLE INGREDIENTS:	N/A

SECTION 16- OTHER USEFUL INFORMATION

*N/A – Not Applicable	*N/K – Not Known
<p>The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.</p>	
<p>The information contained herein has been compiled from sources considered by Advanced Coating Systems to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Advanced Coating Systems assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.</p>	
<p>Additional information: The information in this Material Safety Data Sheet reflects the latest information and data we have on hazards, properties and handling of this product under the recommended conditions of use. Any use of this product that is not described in the Technical Data Sheet is the sole responsibility of the user.</p>	