



## 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 **Phone:** (678)445-0040

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

### SECTION 2- HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

|                       |  |            |
|-----------------------|--|------------|
| Physical hazards      | Not classified                                 |            |
| Health hazards        | Carcinogenicity                                | Category 2 |
| Environmental hazards | Hazardous to aquatic environment, acute hazard | Category 3 |
| OSHA defined hazards  | Not classified                                 |            |

Label elements



Signal word: Warning

Hazard statement: May cause cancer. Harmful to aquatic life

#### Precautionary statement

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** If exposed or concerned: Get medical advice/attention.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known

### SECTION 3- 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  |

**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**

|                     |  |
|---------------------|--|
| <b>Eye Contact:</b> | Flush with large amounts of potable water for 10 to 15 minutes   |
| <b>Skin Contact</b> | If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothing<br>If symptoms persist or reoccur, seek medical attention. |
| <b>Other:</b>       | 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**

|   |  |
|---|--|
| <b>Personal Precautions:</b>                                      | None   |
| <b>Environmental Precautions:</b>                                 | 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. |
| <b>Steps To Be Taken in Case Material is Released or Spilled:</b> | 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**

|                                     |  |
|-------------------------------------|--|
| <b>STORAGE REQUIREMENTS:</b>        | Do not store above 120 °F (48°C) or below 40°F (4°C)     |
| <b>SPECIAL HANDLING INFORMATION</b> | Do not allow to freeze, protect containers from rupture. |

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

|                                |  |
|--------------------------------|--|
| <b>RESPIRATORY PROTECTION:</b> | Not applicable   |
| <b>EYE PROTECTION:</b>         | If splash is likely, chemical goggles may be needed.                     |
| <b>SKIN:</b>                   | Wear impervious gloves and clothing should be used for prolonged contact |
| <b>VENTILATION:</b>            | None required with normal use  |

**SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

|                             |   |
|-----------------------------|---|
| <b>PHYSICAL STATE:</b>      | Liquid  |
| <b>APPEARANCE AND ODOR:</b> | White moderately thick liquid, mild ammoniacal odor |
| <b>BOILING POINT:</b>       | 212°F (100°C)                                       |
| <b>FREEZING POINT:</b>      | 32°F (0°C)  |
| <b>DENSITY (LB/GAL):</b>    | 11.40 +/- 0.5                                       |
| <b>Ph:</b>                  | >8.0 +/- 0.5  |
| <b>VAPOR PRESSURE:</b>      | Greater than 1                                      |
| <b>SOLUBILITY:</b>          | completely soluble in water                         |
| <b>EVAPORATION RATE:</b>    | Slower than ether                                   |
| <b>V.O.C.</b>               | 54 g/L  |

**SECTION 10- STABILITY AND REACTIVITY**

|   |        |
|---|--------|
| <b>CHEMICAL STABILITY:</b>                | Stable |
| <b>CONDITIONS OF REACTIVITY:</b>          | N/A    |
| <b>HAZARDOUS POLYMERIZATION:</b>          | N/K    |
| <b>HAZARDOUS DESCOMPOSITION PRODUCTS:</b> | 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**

|                                   |   |
|-----------------------------------|---|
| <b>DOT PROPER SHIPPING NAME:</b>  | Not regulated                                       |
| <b>DOT HAZARD CLASSIFICATION:</b> | Not classified as a hazardous material under HM 181 |
| <b>DOT LABELING REQUIREMENTS:</b> | N/A   |

**SECTION 15- REGULATORY INFORMATION**

|  |                                     |
|--|-------------------------------------|
| <b>TOXIC SUBSTANCES CONTROL ACT (TSCA):</b>  | All components are listed or exempt |
| <b>COMPREHENSIVE ENVIRONMENTAL AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III</b>                               |                                     |
| No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present |                                     |
| <b>SECTION 311/312 HAZARD CATEGORIES:</b>  | N/A                                 |
| <b>SECTION 313 REPORTABLE INGREDIENTS:</b>   | N/A                                 |

**SECTION 16- OTHER USEFUL INFORMATION**

|                     |                     |
|---------------------|---------------------|
| DATE ISSUED:        | 12/13/2015          |
| REVISION:           | 01/6/2016           |
| SDS REF. No:        | Acu-Shield: Ceramic |
| REVISION INDICATOR: | 1.2                 |

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End of Material Safety Data Sheet