



## SAFETY DATA SHEET

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ACU-MICRO FIBER  
**Product use:** Cleaning compound concentrate  
**Chemical Family:** Acrylic dispersant  
**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	Not classified
Environmental hazards	Not classified
OSHA defined hazards	Not classified
Label elements	
Signal word	There are no GHS ratings that apply to this product at this time.
Hazard statement	None
<b>Precautionary statement</b>	
Prevention	None
Response	None
Storage	In dry location.
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
Polyethylene	9002-88-4	90.00% - 100.00%

### 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:** Rinse opened eyes for at least 15 minutes under running water.  
**Skin Contact** Clean affected area with soap and plenty of water.  
**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen.

## SECTION 5- FIRE AND EXPLOSION HAZARDS

- Recommendations of suitable extinguishing equipment, and information about extinguishing equipment that is not appropriate for a particular situation: Foam, fog, dry chemicals, CO<sub>2</sub>, sand; water mist to cool exposed surfaces.
- Advice on specific hazards that develop from the chemical during the fire, such as any hazardous combustion products created when the chemical burns: May include, but are not limited to, CO and CO<sub>2</sub>.
- Recommendations on special protective equipment or precautions for firefighters: Firefighters should wear full protective clothing. Due to potential decomposition of the polymer, firefighters should be equipped with positive pressure self-contained breathing apparatus (SCBA) when fighting all indoor fires and any significant outdoor fires, and should fight fire from an upwind position.

## SECTION 6- ACCIDENTAL RELEASE MEASURES

- Use of personal precautions (such as removal of ignition sources or providing sufficient ventilation) and protective equipment to prevent the contamination of skin, eyes, and clothing: A dust mask and goggles are recommended to prevent possible irritation from airborne fibers. Cleansing the skin after handling is advisable.
- Emergency procedures, including instructions for evacuations, consulting experts when needed, and appropriate protective clothing: Not applicable
- Methods and materials used for containment (e.g., covering the drains and capping procedures): Not applicable
- Cleanup procedures (e.g., appropriate techniques for neutralization, decontamination, cleaning or vacuuming; adsorbent materials; and/or equipment required for containment/clean up): Vacuum or sweep up and place in a standard disposal container. Avoid the use of air jets if possible, to prevent fibers from becoming airborne.

## SECTION 7- HANDLING AND STORAGE

- Precautions for safe handling, including recommendations for handling incompatible chemicals, minimizing the release of the chemical into the environment, and providing advice on general hygiene practices (e.g., eating, drinking, and smoking in work areas is prohibited): No special handling has been shown to be necessary, but cleansing the skin after use is advisable. Maintain good housekeeping methods to control dust accumulations. Avoid the use of air jets if possible, to prevent fibers from becoming airborne.
- Recommendations on the conditions for safe storage, including any incompatibilities. Provide advice on specific storage requirements (e.g., ventilation requirements): Avoid over stacking to prevent collapse or shifting of the packages.

## SECTION 8- EXPOSURE CONTROLS AND PERSONAL PROTECTION

- OSHA Permissible Exposure limits (PELs), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:  
Fiber dust should be considered a nuisance dust, i.e. particulates (not otherwise classified): ACGIH Threshold Limit Value: 10 mg/m<sup>3</sup>  
total dust; 3 mg/m<sup>3</sup> respirable dust  
OSHA Permissible Exposure Limit: 15 mg/m<sup>3</sup> total dust; 5 mg/m<sup>3</sup> respirable dust
- Appropriate engineering controls (e.g., use local exhaust ventilation, or use only in an enclosed system): Local exhaust ventilation may be used to reduce exposure to airborne fibers or fiber dust. Processing involving the use of elevated temperatures should only be carried out in areas with adequate ventilation.
- Recommendations for personal protective measures to prevent illness or injury from exposure to chemicals, such as personal protective equipment (PPE) (e.g., appropriate types of eye, face, skin or respiratory protection needed based on hazards and potential exposure): A dust mask and goggles are recommended to prevent possible irritation from airborne fibers.
- Any special requirements for PPE, protective clothing or respirators (e.g., type of glove material, such as PVC or nitrile rubber gloves; and breakthrough time of the glove material): Not specified.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

- Appearance (physical state, color, etc.): White, fluffy fibers
- Odor: No significant odor
- Odor threshold: Not available
- pH: Not available
- Melting point: 125-135°C/ 257-275°F
- Initial boiling point and boiling range: Not applicable
- Flash point: >200°C/ >392°F
- Evaporation rate: Not applicable
- Flammability (solid, gas): Non-flammable
- Upper/lower flammability or explosive limits: Not applicable
- Vapor pressure: Not applicable
- Vapor density: Not applicable
- Relative density: 0.96g/cm<sup>3</sup>
- Solubility(ies): Not soluble in water
- Partition coefficient: n-octanol/water: Not available
- Auto-ignition temperature: Not available
- Decomposition temperature: Not available
- Viscosity: Not applicable

## SECTION 10- STABILITY AND REACTIVITY

### Reactivity

- Description of the specific test data for the chemical(s). This data can be for a class or family of the chemical if such data adequately represent the anticipated hazard of the chemical(s), where available: Not available

### Chemical Stability

- Indication of whether the chemical is stable or unstable under normal ambient temperature and conditions while in storage and being handled: Stable
- Description of any stabilizers that may be needed to maintain chemical stability: Not applicable
- Indication of any safety issues that may arise should the product change in physical appearance: None known

### OTHER

- Indication of the possibility of hazardous reactions, including a statement whether the chemical will react or polymerize, which could release excess pressure or heat, or create other hazardous conditions. Also, a description of the conditions under which hazardous reactions may occur: None known
- list of all conditions that should be avoided (e.g., static discharge, shock, vibrations, or environmental conditions that may lead to hazardous conditions): None known
- list of all classes of incompatible materials (e.g., classes of chemicals or specific substances) with which the chemical could react to produce a hazardous situation: Strong oxidizers
- list of any known or anticipated hazardous decomposition products that could be produced because of use, storage, or heating: Carbon oxides, organic acids.

## SECTION 11- TOXICOLOGICAL INFORMATION

- Information on the likely routes of exposure. The SDS should indicate if the information is unknown.  
Inhalation: Possible inhalation of airborne fibers or fiber dust.  
Ingestion: Unlikely to occur.  
Skin absorption: Not known to occur.  
Eye contact: Possible contact with airborne fibers or fiber dust.
- Description of the delayed, immediate, or chronic effects from short- and long-term exposure: Delayed or immediate effects may include respiratory irritation, skin irritation, or eye irritation. No chronic effects from short-term exposure are known to occur. Effects from long-term exposure are unknown.
- The numerical measures of toxicity: Acute  
Toxicity: Oral     Rat     LD     >3g/kg  
                  Oral     Mouse     LD<sub>50</sub>     5g/kg

## CONTINUED

- Description of the symptoms. This description includes the symptoms associated with exposure to the chemical including symptoms from the lowest to the most severe exposure.  
Inhalation: Symptoms of respiratory irritation may include coughing, sneezing, or itching of the nasal passages.  
Ingestion: Ingestion of large amounts of fibers may cause gastrointestinal blockage, which can cause stomach distress.  
Skin contact: Symptoms of skin irritation may include itching or redness of the skin.  
Eye contact: Symptoms of eye irritation may include itching, watering, or redness of the eyes.
- Indication of whether the chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.  
NTP: Not listed.  
IARC: 3 – Not classifiable as to its carcinogenicity to humans.  
OSHA: Not regulated.
- According to the hypothesis of Stanton-Pott, it is reported that there is a possibility of causing cancer when ultra-fine fibers below 0.251µm in diameter and below 81µm in length are absorbed into the lung. When observed with the electronic microscope, the diameter of these fibers was above 11µm, and the average length was over 1001µm; therefore the values were higher than those provided by this hypothesis.

## SECTION 12- ENVIRONMENTAL INFORMATION

- Data from toxicity tests performed on aquatic and/or terrestrial organisms, where available (e.g., acute or chronic aquatic toxicity data for fish, algae, crustaceans, and other plants; toxicity data on birds, bees, plants): Not available
- Whether there is a potential for the chemical to persist and degrade in the environment either through biodegradation or other processes, such as oxidation or hydrolysis: Unknown. This material is generally considered to be essentially non-biodegradable.
- Results of tests of bioaccumulation potential, making reference to the octanol-water partition coefficient (Kow) and the bioconcentration factor (BCF), where available: Not available
- The potential for a substance to move from the soil to the groundwater (indicate results from adsorption studies or leaching studies): Unlikely
- Other adverse effects (e.g., environmental fate, ozone layer depletion potential, photochemical ozone creation potential, endocrine disrupting potential, and/or global warming potential): Unknown

## SECTION 13- DISPOSAL CONSIDERATIONS

- Description of appropriate disposal containers to use: Standard disposal containers are acceptable.
- Recommendations of appropriate disposal methods to employ: Dispose of in accordance with governmental regulations for non-hazardous solid waste.
- Description of the physical and chemical properties that may affect disposal activities: None known
- language discouraging sewage disposal: Disposable via septic or sewage systems is not recommended.
- Any special precautions for landfills or incineration activities: None known
- Recycling of corrugated or paper packaging is encouraged where possible. Other packaging may be disposed of with product.

## SECTION 14- TRANSPORT INFORMATION

- UN number (i.e., four-figure identification number of the substance): None
- UN proper shipping name: Not applicable
- Transport hazard class(es): Not applicable
- Packing group number, if applicable, based on the degree of hazard: Not applicable
- Environmental hazards (e.g., identify if it is a marine pollutant according to the International Maritime Dangerous Goods Code (IMDG Code)): None known
- Guidance on transport in bulk (according to Annex II of MARPOL 73/78 and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code))): Not applicable

CONTINUED

- Any special precautions which an employee should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises (indicate when information is not available):  
None known
- Commodity: Polyethylene Pulp
- HTS Code Number: 3901.20
- NMFC Item Number: 68310 Sub 6

**SECTION 15- REGULATORY INFORMATION**

- Any national and/or regional regulatory information of the chemical or mixtures (including any OSHA, Department of Transportation, Environmental Protection Agency, or Consumer Product Safety Commission regulations)
- Canada DSI/NDSI: Included on the Canadian Domestic Substance List.
- Canada WHMIS: Not a controlled product.
- UN: Does not appear on the Dangerous Goods List.
- United States EPA: Not regulated.
- United States OSHA: Not hazardous.

**SECTION 16- OTHER USEFUL INFORMATION**

DATE ISSUED:	08/03/2016
REVISION:	08/03/2016
SDS REF. No:	Acu-Micro Fiber
REVISION INDICATOR:	1.0

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End of Material Safety Data Sheet