

MSDS

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Contact Company: Advanced Coating Systems, Inc.
Address: 2230 Towne Lake Pkwy, Bldg.1000, Ste.140
Woodstock, GA 30189

Emergency Telephone: INFOTRAC— 800/535-5053

printed date: 6/11/07

PRODUCT NAME: ACU-SILVER SHIELD

Hazard Ratings:

Health	1
Flammability	2
Reactivity	1
Personal Protection	G

Volatile Organic Compounds (VOC) 420 grams per liter

SECTION 2: HAZARDOUS MATERIAL IDENTIFICATION

Hazardous Component	CAS #	TLV ppm	TLV Mg/M3	Vapor Pressure mm Hg @ temp	Weight %
Mineral Spirits	8052-41-3	100		2 60 F	38
Mica	12001-26-2			n/a n/a	18
Aluminum Paste	MIXTURE	100		10 77 F	13
Petroleum Asphalt	8052-42-4		5.0	n/a n/a	29

There are no SARA 313 ingredients in this material in excess of de minimus amounts

SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: 310 – 400 F
VAPOR DENSITY: Heavier than air
COATING V.O.C. : 420 g/l
SOLUBILITY IN WATER: Insoluble
EVAPORATION RATE: Slower than ether
SPECIFIC GRAVITY (H2O = 1): 1.10
APPEARANCE AND ODOR: Black asphalt/ aluminum with a mineral spirits odor.

SECTION 4: FIRE & EXPLOSION DATA

FLASH POINT: 105 F
DOT CATEGORY: Combustible liquid NA1993; method used: SETA
FLAMMABLE LIMITS IN AIR BY VOLUME: lower 0.9 - upper 6.0
EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool containers, to prevent pressure build-up.
UNUSUAL FIRE and EXPLOSION HAZARDS: DO NOT USE WATER HOSE STREAM, DO NOT USE HALOGENATED EXTINGUISHING AGENT, on product where aluminum glaze has started to burn. Dry aluminum flake will react with water and acids to form hydrogen gas and heat.

SECTION 5: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks, flames, static electricity

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Normal combustion products CO₂, CO, and various hydrocarbon fragments.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

SECTION 6: HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION: Can cause dizziness, headaches, loss of appetite, nausea, and possible nose, throat and mucous membrane irritation. The solvent can effect the central nervous system, including general weakness, loss of memory, jitteres, unconsciousness or effects mimicking drunkenness.

SKIN AND EYE CONTACT: Prolonged or repeated contact with the product can cause drying and irritatin. May cause severe irritation, redness, tearing and blurred vision

INGESTION: May cause mouth, throat, and gastrointestinal tract irritation, nausea, vomiting and diarrhea.

HEALTH HAZARDS (ACUTE and CHRONIC): Aspiration of the mineral spirits portion of this product into the lungs can cause severe chemical pneumonitis which can be fatal.

*This product contains Bitumen a chemical known to the State of California to cause cancer or reproductive toxicity.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with pre existing central nervous system disease, chronic skin or respiratory disorder may be at increased risk for worsening their conditions from exposure to this product.

EMERGENCY AND FIRST AID

SKIN CONTACT: Clean exposed skin with waterless hand cleaner, then wash with mild soap and water. Note: Skin contact with clothing saturated in mineral spirits can cause second degree burns. Contaminated clothing should be removed immediately and excess material wiped from skin. Wash with mild soap and water. Seek medical attention if irritation persists.

EYE CONTACT: Immediately flush eyes with clean water for 15 minutes. Seek medical attention immediately.

INHALATION: Remove to fresh air immediately. If breathing is difficult or if irritation persists, administer oxygen. If not breathing, administer artificial respiration. Seek medical attention.

INGESTION: DO NOT INDUCE VOMITING! Prevent aspiration. Aspiration of material into lungs due to vomiting can cause severe chemical pneumonitis, which can be fatal. Seek immediate medical attention. **NOTE TO PHYSICIAN:** Perform gastric lavage in accordance with procedures for ingestion of petroleum products.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent material from entering sewers or waterways. Remove all sources of ignition (flames, hot surfaces, and electric, static, or frictional sparking sources). Ventilate area. Absorb with inert materials such as vermiculite or sand.

WASTE DISPOSAL METHOD: Dispose in accordance with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Material is combustible! Vapors of mineral spirits are heavier than air and may travel along the ground or be moved by ventilation to locations distant from the point of material handling. To prevent ignition, avoid smoking, keep away from heat, open flames, and sources of static or electrical sparking.

SECTION 8: CONTROL MEASURES

RESPIRATIONRY PROTECTION: If spray mists are generated, wear NIOSH approved particulate respirator.

VENTILATION: Use local exhaust if conditions exist that permit high vapor concentration.

PROTECTIVE GLOVES: Use chemical-resistant gloves when there could be direct contact with material.

EYE PROTECTION: Wear safety eyewear.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

WORK/ HYGENIC PRACTICES: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work periods. Products is removed from skin by waterless hand cleaners followed by washing throughly with soap and water.

SECTION 9: DISCLAIMER

This information relates to the specific materisl designated and may not be valid for such materials used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. HOWEVER, no representation, warranty or guarantee, expressed or implied, is made as its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself the sutability and completeness of such information for his own particular use.