

1. PRODUCTS AND COMPANY IDENTIFICATION

Product Name: MS-Thermoinsulate

Product Use: Acrylic Coating Powder Additive

Manufacturer/Supplier:

EnviroECOats

785 W. Rialto Ave. Ste. G

Rialto, CA 92376

Web Address: www.EnvirECOats.net

Medical Emergency:

CHEMTREC (USA): (800) 424-9300

CHEMTREC (International): (703) 527-3887

SDS Assistance: (909)440-5017

Technical Assistance: (909)440-5017

2. COMPONENT INFORMATION

Classification (GHS-US)

Skin Irrit. 2 H315

Eye Irrit. 2A H319

STOT SE 3 H335

STOT RE 2 H373

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : H332 – Harmful if inhaled
H313 – Maybe harmful in contact with skin

Precautionary Statements (GHS- US) : P261 - Avoid breathing mist, spray, vapors
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear eye protection, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
P312 - Call a POISON CENTER/doctor/physician if you feel unwell

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Product identifier	% (w/w)	Classification (GHS-US)
ACV Microspheres	(CAS No) 7631-86-9	>98%	Skin Irrit. 2 Eye Irrit. 2A
Water	(CAS No) 7732-18-5	<2%	

*Indicates toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. Information concerning non-hazardous ingredients is considered a trade secret.

4. FIRST AID INFORMATION

Description of First Aid

Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms and Effects Both Acute and Delayed

Acute and Chronic high concentration of this material may cause irritation to eyes, skin respiratory tract and have an affect on lung

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

5. FIRE AND EXPLOSION INFORMATION

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray, fog.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Reference to Other Sections

Refer to section 9 for flammability properties.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Personal Precautions:

Avoid dust formation. Ensure adequate ventilation. Remove all sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use personal protective equipment.

Protective equipment and emergency procedures Eyes:

Use full face respirator. Skin: Wash at mealtime and end of shift. Wear protective clothing to minimize mechanical irritation.

Inhalation/Suitable Respirator:

Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. Precautionary Measures: Avoid eye and skin exposure. Avoid breathing dust. Keep container closed. Use reasonable care. Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

Environmental precautions and protective procedures

The product is insoluble and floats on water. If possible, try to contain floating material. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

The methods of purification and removal

Remove possible ignition sources. Clean up promptly by vacuum. Sweep, mop or wipe up and contain for salvage or disposal. Fine powders may require special vacuum filters; damp mopping or washing is preferred. Pick up and transfer to properly labeled containers. Avoid dust formation.

7. HANDLING AND STORAGE INFORMATION

Precautions for safe handling:

Dust may be harmful if inhaled. Avoid dust formation. Do not breathe dust. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Avoid contact with skin and eyes. Keep away from heat and sources of ignition. Take precautionary measures against static discharge. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

Conditions for safe storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Do not store together with oxidizing materials and volatile chemicals as they may be adsorbed onto product.

Specific End Use(s) Acrylic base coat

8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Protective goggles.

Materials for Protective Clothing: Not available

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Powder
Appearance	: White
Odor	: No Odor
Boiling Point	: 2230 °C
Melting Point	: 1700 °C
Vapor Pressure	: Not Determined
Relative Vapor Density at 20 °C	: Not Determined
Solubility	: Insoluble

10. STABILITY AND REACTIVITY INFORMATION

Chemical stability:

This product is stable.

Possibility of hazardous reactions:

Hazardous polymerization does not occur.

Conditions to avoid (e.g. static discharge, shock or vibration, etc.):

Do not expose to temperature above 300°C. Avoid conditions where oxygen may condense in or around this product, as this will increase the flammability.

Incompatibility with various substances:

Not available

Hazardous decomposition products:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds..

11. TOXICOLOGICAL INFORMATION (will only print available data)

Note to section 11: Toxicological information is based on literature review for synthetic amorphous silica (CAS No. 7631-86-9)

Information on the likely routes of exposure

Inhalation:

Inhalation of airborne dusts may cause mechanical irritation of the upper respiratory tract.

Skin Contact:

Skin contact with dust from this product can produce a drying sensation and mechanical irritation of the skin and mucous membranes.

Eye Contact:

Exposure to dust from this product can produce a drying sensation and mechanical irritation of the eyes.

Delayed, acute and chronic toxic effect for short and long term exposure

Acute toxicity (Oral)	Not Classified Rat LD50 > 5110 mg/kg, OECD TG 401 GLP
Acute toxicity (Dermal)	Category 5 Rabbit LD50 > 2000 mg/kg
Acute toxicity (Inhalation-dust)	Category 4 Rat 5mg/L ≥ LC50 > 2.2mg/L
Skin Corrosion/ Irritation	Not classified Not irritating (OECD Test Guidelines 404, GLP). Slightly hazardous in case of skin contact on human are not irritating to skin and eyes under experimental conditions.
Serious Eye Damage/ Irritation	Not classified Not irritating (OECD Test Guidelines 405, GLP). Draize score 0.7/110, 24 hr. Non-irritating. Synthetic amorphous silica is not irritating to skin and eyes on human under experimental conditions.
Respiratory sensitizer	Not available
Skin Sensitization	Not classified A delayed contact hypersensitivity study (Directive 84/449/EEC, B. 6) in guinea pigs utilizing the Buehler technique was performed. Not-sensitizing
Carcinogenicity	Not classified Negative findings in a rat carcinogenicity (up to 5 % in the diet given to rats and mice) Not listed by NTP, OSHA, ACGIH or EU.IARC: Group 3
Mutagenicity	Not classified In vitro - Not mutagenic in Ames Test, chromosomal aberration in Chinese hamster ovary (CHO) cells. In vivo – Not mutagenic in cytogenetic assay.
Reproductive toxicity	Not classified NOAEL>497 mg /kg bw/d No evidence of adverse effects on reproduction performance
Specific target organ toxicity (single exposure)	Not classified Silica gel administered intratracheally resulted in no fibrosis. The tissue reaction (peritoneal) to 11 types of amorphous silica was examined and 3 types failed to produce peritoneal fibrosis; 2 of these were dried precipitated silica and 1 was dried silica gel.

**Specific target organ toxicity
(repeated exposure)
Inhalation**

Not classified

Human effects: The potential clinical toxicology of exposure to precipitated amorphous silica in 165 workers who had been exposed for an average of 8.6 years was studied. Serial pulmonary function values and chest radiographs were not adversely affected by long-term exposure to this dust

Animal effects: NOAEL: 0.035 mg/L (subchronic,13 weeks).
Mild reversible pro-inflammatory cell proliferation, stimulation of collagen production, increase in lung weight, incipient interstitial fibrosis, slight focal atrophy in the olfactory epithelium.

Oral

Animal effects: NOAEL> 8% (sub-chronic, 13 weeks) No clinical signs and other findings.

Aspiration Hazard

Not available

12. ECOLOGICAL INFORMATION

Note to section 12: Ecological information is based on literature review for synthetic amorphous silica (CAS No. 7631-86-9).

Aquatic and terrestrial ecotoxicity Not classified

Fish 96hr LC50 > 10,000 mg/l (Brachydanio rerio, OECD TG 203)

Water flea 24hr EC50 > 10,000 mg/l (Daphnia magna, OECD TG 201)

Degradability

Stability Stable

Degradability The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

Biodegradable Not applicable for inorganic material.

Enrichment Not applicable for inorganic material.

Mobility in soil Insoluble. Not expected to migrate.

Other adverse effects None expected

13. DISPOSAL INFORMATION

Disposal method

Can be burned in suitable incineration plants or disposed of in a suitable landfill in accordance with the regulations issued by the appropriate federal, provincial, state and local authorities.

Disposal precaution

RCRA Hazard Class (40 CFR 261): Not classified

14. TRANSPORTATION INFORMATION

Not classified as dangerous in the meaning of transport regulations.

Shipping Name: Not regulated for transport

Hazard Class / UN Number / Packing Group /

Required Label(s) / Marine Pollutant / Additional Information / DOT Road Shipment Information (49 CFR 172.101) / Ocean Shipment (IMDG) / Air Shipment (IATA): None

15. Regulatory Information

Hazard Classification

United States - OSHA (29 CFR 1910.1200): Not hazardous.

Mexico - NOM-018-STPS-2000: Refer to HMIS Rating in Section 16.

Canada - WHMIS Classification (CPR, SOR/88-66): Not controlled.

International Inventories:

This material is listed on or exempt from the following inventories:

- Australian Inventory of Chemical Substances (AICS) / Canadian Domestic Substances List (DSL) /

European Inventory of Existing Commercial Chemical Substances (EINECS) / New Zealand Hazardous Substances and New Organisms Act (HSNO) / United States Toxic Substances Control Act (TSCA) Inventory: YES

- Chinese Inventory / Japanese Inventory of Existing and New Chemical Substances (ENCS) / Korean Existing Chemicals List (KECL) / Philippines Inventory of Chemicals and Chemical Substances 9/10 page (PICCS): No

NOTE: The chemicals in this product may not be subject to notification in the following countries under an "article" exemption: Canada, Japan, Korea, New Zealand and Switzerland.

U.S. Federal Regulations

TSCA 12(b) Export Notification: This product does not contain any components that are subject to TSCA 12(b) Export Notification.

Clean Air Act Amendments of 1990 (CAA, Section 112, 40 CFR 82):

This product does not contain any components listed as a Hazardous Air Pollutant, Flammable Substance, Toxic Substance, or Class 1 or 2 Ozone Depletory.

Clean Water Act (CWA, 40 CFR 116) Priority Pollutants:

This product does not contain any listed Priority Pollutants.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302):

This product does not contain any listed Hazardous Substances.

Superfund Amendments and Reauthorization Act, Title III (SARA):

SARA Section 302 (40 CFR 355) Extremely Hazardous Substances: No components are listed as extremely hazardous chemicals under SARA Section 302. SARA Sections 311/312 (40 CFR 370) Hazard Category: This product does not meet any of the

MSDS Requirement definitions for a hazardous material under SARA Sections 311/312. SARA Section 313 (40 CFR 372)

Toxics Release Inventory: Does not contain any of the substances identified under Section 313 as toxic chemicals in excess of the minimum concentrations necessary to be subject to this rule.

Pharmaceutical Information: Not permitted U.S. State Regulations

California Proposition 65: This product does not contain any components listed on California Proposition 65.

US Coalition of North Eastern Governors (CONEG) Metals List: This product meets the CONEG Source Reduction Council limits for the sum of the levels of lead, cadmium, mercury and hexavalent chromium of less than 100 parts per million by weight.

EC Regulatory Information Product is not classified as a dangerous material or preparation as defined in EC Directives 67/548/EEC or 1999/45/EC and EU CLP.

16. OTHER INFORMATION

Health and Environmental Label Language

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non- Domestic Substance List (NDSL)

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. This data and information is furnished upon the condition that the person receiving it shall make his own determination of the conditions for safe use of this product.

SDS Revisions

Previous Version Date: N/A

Revision Date: 01/21/21