

MANUFACTURES SAFETY DATA SHEET

ACS CIC 4.0

SECTION 1 – PRODUCT INFORMATION

Advanced Coating Solution, LLC
1020 Industry Drive
Tukwila, WA 98188
Emergency Phone # 425.785.0902

Product Name: Ceramic Insulation Coating
Product ID: ACS CIC 4.0
Brand Names: CIC Boost, CIC Heat Block, CIC Rhinoskin
Common Chemical Name: Acrylic Insulation Coating
Molecular Formula: Mixture
EPA Method 24 VOC Content: 0.06 lbs/gallon (7.6 g/liter)

Thermal Insulating Material	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
Personnel Protection	G
Eye Protection Gloves Dust Mask	

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification: (Not Applicable)
GHS Label Elements: [Note: This consumer product is exempt from OSHA GHS-HCS Labeling Requirements.]
Signal Word: (None Required) Hazard Statement (None Required) Pictogram: (None Required)
Precautionary Statement:
Prevention: Contact with eyes or skin may result in irritation. Ingestion may result in gastric disorders. Inhalation may irritate the respiratory tract. Keep out of reach of children.
Acute Overexposure: Contact with the eyes and skin may result in irritation. Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.
Chronic Overexposure: There are no known effects associated with this material.
Hazards Not Otherwise Classified: None

SECTION 3 – INGREDIENTS

NO REPORTABLE HAZARDOUS INGREDIENTS

CAS Number	Ingredients	% Range	OSHA PEL	ACGIH TLV
93763-70-3	Insulation Particles	17.4%	15mg/m3	15mg/m3
474000-95-8	Wetting Agent	0.4%	15mg/m3	5mg/m3
1346-67-7	Titanium Dioxide	5.1%	10 mg/m3	10 mg/m3
13463-67-7	Inert Pigment	5.8%	15mg/m3	15mg/m3
8031-18-3; 25265-77-4; 1317-65-3	Additives	2.6%	N/A	N/A

SECTION 4 – FIRST AID MEASURES

Routes of entry: skin-possible ingestion-possible inhalation-possible Acute
Health Hazards: Acute - In a confined area vapors in high concentration are an aesthetic. Over exposure may result in light-headedness and staggering gait. Irritant to skin and upper respiratory system. Chronic overexposure may result in liver damage.
Carcinogenicity: N/A
First aid procedure: **Eye exposure** - Flush eyes with water immediately. Get immediate medical attention.
Skin contact - Wash area with soap and water. If redness persists, seek medical attention.
Ingestion – If swallowed, dilute with water. DO NOT INDUCE VOMITING. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.
Inhalation – Move to fresh air. Aide in breathing if needed and get immediate medical attention.
Notes to Physicians – None known
Special Precautions – None

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: Noncombustible
Auto ignition: N/A
Extinguished Media: (for dried film) carbon dioxide, dry chemical, water, or alcohol foam.
Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. If water is used, fog nozzles may be preferable. Water may be used to cool adjacent closed containers to prevent pressure buildup.
Unusual Fire and Explosion: Product will not burn but may spatter if temperature exceeds boiling point. Extreme heat may cause closed containers to burst. Dried film of product is capable of burning, giving off oxides of carbon/nitrogen.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps if material is released:	Spills should be contained and placed in suitable containers for disposal.
Waste Disposal Methods:	Waste from this material is not hazardous as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed containers. Dispose of in accordance with Federal, State, and Local regulations.
Precaution in handling and storage:	Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. Protect against dust which may be generated by sanding or abrading the dried film.
Other Precautions:	Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. <i>Keep out of reach of children.</i>
General:	Protect from freezing.
Other:	Keep out of direct sunlight in storage area.

SECTION 7 – STORAGE AND HANDLING

General:	Protect from freezing and keep out of direct sunlight for extended periods. A climate-controlled warehouse is best for product.
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SECTION 8 – PERSONNEL PROTECTION

Clothing:	Gloves, coveralls, apron, and boots as necessary to prevent contact.
Respiratory Protection:	Ventilation and dust mask recommended during application. If sprayed in confined area, respiratory equipment is recommended due to slight ammonia odor.
Ventilation:	Local exhaust - <i>preferable</i> Mechanical (general) - <i>acceptable</i>
Protective Gloves:	Preferred
Eye Protection:	Spectacles with unperforated side-shields.
Other Protective Equipment:	None needed

SECTION 9 – PHYSICAL PROPERTIES

Color:	White, grey, black, tan. Custom tints on request.
Odor:	Slight ammonia
Form/Appearance:	Thick emulsion mixture
Boiling Point:	Approximately 212°F (100°C)
Freeze Point Specific Gravity:	32°F (0°C)
Pounds/Gallon:	0.63 5.2 – 5.3 lbs/gallon
Non Volatile Solids (weight):	53%
Form/Appearance:	Thick emulsion mixture
Melting Point:	N/A
Evaporation Rate (Butyl Ace =1):	<1
Solubility in H₂O:	Can be diluted

SECTION 10 – STABILITY AND REACTIVITY

Stability Data:	Stable
Incompatibility:	Solvents will coagulate the product.
Conditions or Hazards to Avoid:	Extreme temperatures above 500°F (260°C)
Hazardous Decomposition:	Hazardous polymerization will not occur.
Corrosive Properties:	Not corrosive
Oxidizer Properties:	Not an oxidizer
Chloride Properties:	None

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, ingestion, skin and eye contact
Symptoms of Overexposure:	May cause mild irritation to eyes and skin, gastrointestinal and Respiratory tracts. Slight Dizziness, Nausea and headache possible in exposed persons with unusual allergic sensitivity.
Delayed or chronic Effects	Available information provides no evidence of delayed or chronic Health effects associated with exposure.
Numerical measures of toxicity:	(no information available)
Carcinogenicity:	NTP? No. IARC? No. OSHA? No. CA Prop 65? No.

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SECTION 12 – ECOLOGICAL INFORMATION

No applicable data in this section

SECTION 13 – DISPOSAL INFORMATION

Waste Disposal: Allow the material to dry out and dispose of as ordinary trash.
Container Disposal: Dispose in accordance with all applicable local, state, and federal regulations. Dry, empty containers may be recycled or disposed of as ordinary trash.

SECTION 14 – TRANSPORTATION INFORMATION

Dot Proper Shipping name: N/A
Dot Technical Name: N/A
Dot Primary Hazardous Class: N/A
Dot Secondly Hazardous Class: N/A
Bill of lading description: Class 55
Air freight: Acceptable. Non-combustible.
Ground freight: Not regulated by the DOT
Dot label required: N/A
Dot Placard required: N/A
Dot Poison constitute: N/A

SECTION 15 – REGULATORY INFORMATION

U.S. Federal Regulations
TSCA Inventory Status: All components are listed on inventory or exempt
CERCLA: Not listed as a hazardous substance
SARA TITLE III: Not listed as a hazardous substance
311/312 Hazard Categories (Not Applicable)
313 Reportable Ingredients (Not Applicable)
State Regulatory Info: (Not Applicable).

SECTION 16 – OTHER INFORMATION

Hazardous ratings: TTS currently uses the National Paint and Coatings Association rating system. The use of an asterisk (*) in the HMIS rating indicates the potential for chronic health effects

HMIS:	Health	Fire	Physical Hazard
	1	0	0

Hazardous rating OSHA: The product is considered **NON HAZARDOUS** by the OSHA Hazard Communication Standard.

Shipping: This product is considered non hazardous and acceptable to transport via ground freight, ocean freight, or air freight without special handling. It is considered a Class 55 shipment product in the United States.

Important: While descriptions, designs, data and other information contained herein are presented in good faith and believed to be accurate, it is provided for guidance only. Because many factors may influence the processing or application/use, TTS recommends that tests be made for the suitability of the product in the intended purpose. The intended use of this document is for health and handling procedures and not intended for an ingredients list for reformulation. Ingredients are given as a range with the actual formulation considered a trade secret. This sheet may contain information that is not used in this formulation in all purposes but rather as a guideline as to what can be used in this formulation. Actual percentages and specific ingredients are considered a trade secret. Ingredients listed on the SDS as proprietary or trade secrets are considered confidential to TTS by raw material supplier.