



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Heat Reflecting Elastomeric Roof Coating
PRODUCT CODE: ECT-5G
HMIS CODES: HCFR 2 10

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Tech Traders LLC
ADDRESS: PO Box 411916 Melbourne, FL 32941 Ph: 321-536-1912
EMERGENCY PHONE:
DATE REVISED: 6/2/2011 REASON REVISED: updated contact information NAME OF PREPARER: D. Page

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE	WEIGHT
	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER mm HG @ Temp Percent	
Titanium Dioxide	13463-67-7	10 mg/m ³	10 mg/m ³	NA	0-25

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212 Deg. F
VAPOR DENSITY: Heavier than air
COATING V.O.C.: 0.42 LB/GAL (<50 G/L)
SOLUBILITY IN WATER: Soluble
APPEARANCE AND ODOR: White viscous liquid with slight sweet odor.
SPECIFIC GRAVITY (H2O=1): 1.06
EVAPORATION RATE: Slower than ether

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A
EXTINGUISHING MEDIA: Foam, alcohol foam, CO₂, dry chemical, Water Fog
SPECIAL FIREFIGHTING PROCEDURES: Full protective equipment including a self-contained breathing apparatus recommended to protect fire fighters from any hazardous combustion products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Water may be used to cool containers to prevent pressure build up and explosion when exposed to extreme heat.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Do not heat above 200 F.
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon dioxide, carbon monoxide, various hydrocarbons
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Inhalation of high concentrations of vapors may cause headache, nausea and irritation of the nose, throat, and lungs.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Eye contact may cause irritation or burning of the eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Repeated liquid contact may cause skin irritation and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea, vomiting can result in aspiration of material into the lungs which can cause chemical pneumonitis.

HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE: (SHORT TERM) Over exposure may cause headache, nausea, skin and eye irritation.

CHRONIC: (LONG TERM) Unprotected over exposure may cause serious health problems.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? YES OSHA REGULATED? NO

No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known at this time.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If breathing has stopped, apply artificial respiration. Consult a physician.

EYE CONTACT: Wash eyes with clean water for at least 15 minutes. Consult a physician.

SKIN CONTACT: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician.

INGESTION: Drink 1 or 2 glasses of water to dilute. Consult a physician or poison control center immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Prevent skin and eye contact and breathing of vapor. Contain and remove with inert absorbent.

WASTE DISPOSAL METHOD: Do not allow material to contaminate ground water systems. Absorb large spills with sand, clay, or diatomaceous earth. Dispose of in accordance with local, state and federal disposal requirements.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 200 f.

TRANSPORTATION AS PER IATA REGULATIONS: Insuladd Energy Coat Elastomeric Roof Coating is classified as a green product due to it's environmentally friendly manufacturing methods and ingredients and is non-hazardous, non-flammable and non-toxic. Insuladd has no restrictions for air, ground or sea transportation.

OTHER PRECAUTIONS: Do not take internally. Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: None required for brush and roll application. For spray application, wear a properly fitted NIOSH/MSHA (TC-23C) approved vapor/particulate respirator until all vapors and spray mist are exhausted.

VENTILATION: Provide sufficient ventilation in volume and pattern to keep air contaminant concentration below applicable OSHA PEL or ACGIH occupational exposure limits.

PROTECTIVE GLOVES: Impervious gloves are recommended to prevent skin contact.

EYE PROTECTION: Use chemical safety goggles or face shield to prevent eye contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, gloves and hood are recommended during spray application. Protective creams may be used for ease of clean up, not for protection.

WORK/HYGIENIC PRACTICES: Wash hands before eating or using the restroom.

SECTION IX - DISCLAIMER:

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given