

## Material Safety Data Sheet

**Material Name:** Insulation Coating

### Section 1— Chemical Product and Company Identification

**Product Name:** Insulkote® ET  
**CAS#** Mixture/None Assigned  
**Generic Name:** Weather Coating  
**Formula:** Mixture  
**Chemical Name:** Mixture

#### **Manufacturer Information**

Industrial Insulation Group  
2100 Line Street  
Brunswick, GA 31520

Phone number for Health and Safety Information: 970.858.6211 (M-F, 7:00a.m. to 4:00p.m., Mountain Time)

**Trade Name:** Insulkote ET

### Section 2 — Composition and Information on Ingredients

CAS #	Component	Percent	OSHA PEL	ACGIH TLV	NIOSH REL	UNITS
7732-18-5	Water	<55	NE	NE	NE	
8052-42-4	Asphalt	<50	NE	0.5	NE	mg/M <sup>3</sup>
1302-78-9	Aluminum Silicate	<10	NE	NE	NE	mg/M <sup>3</sup>

NE = Not Established

ACGIH TLVs are 2006 values. OSHA PELs are those in effect on the date of preparation of this MSDS. The listed PELs, TVLs and RELs are time weighted average exposure limits.

#### **Component Related Regulatory Information**

This product may be regulated, have exposure limits or other information identified as the following:  
Nuisance particulates not otherwise regulated.

### Section 3 — Hazards Identification

#### **Emergency Overview**

APPEARANCE AND ODOR: Brown paste with slight hydrocarbon odor.

Under normal conditions of use, this product is not expected to create any unusual emergency hazards. Skin irritation may be treated by gently washing affected area with soap and warm water. Eye irritation may be treated by flushing eyes with large amounts of water. If irritation persists, contact a physician. In the event of fire, use normal fire fighting procedures to prevent inhalation of smoke and gases

HMIS Rating: Health: 1, Fire: 0, Reactivity 0, Other: 0

WHMIS Class: Insulkote ET is not a WHMIS controlled product

#### **Potential Health Effects**

##### **Summary**

Inhalation of dust from this product is not likely to occur due to intended use and the product form. Excessive skin and eye contact may cause irritation, and dryness. Studies of workers exposed to asphalt fume have been classified as providing inadequate evidence of carcinogenicity. Asphalt fume condensate skin painting studies on animals have shown tumor development.

**Inhalation**

Irritation of the upper respiratory tract (scratchy throat), coughing, and congestion may occur in extreme exposures.

**Skin**

Temporary irritation (itching) or redness may occur.

**Absorption**

Not applicable

**Ingestion**

This product is not intended to be ingested or eaten under normal conditions of use. If ingested, it may cause temporary irritation to the gastrointestinal (GI) tract, especially the stomach.

**Eyes**

Temporary irritation (itching) or redness may occur.

**Target Organs**

Upper respiratory passages, skin, and eyes.

**Primary Routes of Entry (Exposure)**

Inhalation, skin, and eye contact.

**Medical Conditions Aggravated by Exposure**

Pre-existing chronic respiratory, skin, or eye diseases or conditions.

**Section 4 — First Aid Measures****First Aid: Inhalation**

Remove to fresh air. Drink water to clear throat. Blow nose to clear nasal passages. Administer artificial respiration or oxygen as necessary.

**First Aid: Skin**

Wash gently with soap and warm water to remove dust. Wash hands before eating or using the restroom.

**First Aid: Ingestion**

Product is not intended to be ingested or eaten. If this product is ingested, irritation of the gastrointestinal (GI) tract may occur, and should be treated symptomatically. Rinse mouth with water to remove fibers, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.

**First Aid: Eyes**

Do not rub or scratch your eyes. Chemicals contained in this product are severe irritants. Flush eyes with large amounts of water for 5-15 minutes. If irritation persists, contact a medical professional.

**First Aid: Notes to Physician**

This product is a water based emulsion and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

**Section 5 — Fire Fighting Measures**

**Flash Point:** Not applicable

**Method Used:** Not applicable

**Upper Flammable Limit (UFL):** Not applicable

**Lower Flammable Limit (LFL):** Not applicable

**Auto Ignition:** Not determined

**Flammability Classification:** Non combustible

**Rate of Burning:** Not applicable

**General Fire Hazards**

Petroleum based compounds can float on water. Do not enter any enclosed or confined fire space without proper protective equipment, including self contained breathing apparatus.

**Hazardous Combustion Products**

Irritating and toxic gases or fumes may be released during a fire.

**Extinguishing Media**

DO NOT USE WATER. Carbon dioxide (CO<sub>2</sub>), foam, water fog, dry chemical. Water should be used only to cool other materials that are in or near the fire.

**Fire Fighting Equipment/Instructions**

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

**Section 6 — Accidental Release Measures****Containment Procedures**

Take up with sand or other non-combustible, absorbent material. Clean spills in a well-ventilated area and shovel absorbed material into containers. Prevent spilled material from entering sewers or water sources.

exposures.

### **Clean-Up Procedures**

Wastes are not hazardous as defined by the RCRA (40 CFR 261). Comply with state and local regulations for disposal of these products. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the EPA.

## **Section 7 — Handling and Storage**

### **Handling Procedures**

Use protective equipment as described in Section 2 of this material safety data sheet when handling uncontained material. Good housekeeping practices should be used to prevent generation and accumulation of dusts. After handling product, wash face and hands before eating, drinking, or smoking.

### **Storage Procedures**

Warehouse storage should be in accordance with package directions, if any. Material should be kept dry, and protected from the elements.

## **Section 8 — Exposure Control and Personal Protection**

### **Personal Protective Equipment**

Protective equipment should be used as necessary to prevent irritation of the throat, eyes, and skin, and to keep exposures below the applicable exposure limits identified in Section 2

#### **Personal Protective Equipment: Eyes/Face**

Safety glasses with side shields are recommended to keep dust out of the eyes.

#### **Personal Protective Equipment: Skin**

Leather or cotton gloves should be worn to prevent skin contact and irritation. Barrier creams may also be used to reduce skin contact and irritation.

#### **Personal Protective Equipment: Respiratory**

A respirator should be used if ventilation is unavailable, or is inadequate for keeping dust and fiber levels below the applicable exposure limits. In those cases, use a NIOSH-certified disposable or reusable particulate respirator with an efficiency rating of N95 or higher (under 42 CFR 84) when working with this product. For exposures up to five times the established exposure limits use a quarter-mask respirator, rated N95 or higher; and for exposures up to ten times the established exposure limits use a half-mask respirator (e.g., MSA's DM-11, Racal's Delta N95, 3M's 8210), rated N95 or higher.

Operations such as sawing, blowing, tear out, and spraying may generate airborne fiber concentrations requiring a higher level of respiratory protection. For exposures up to 50 times the established exposure limits use a full-face respirator, rated N99 or higher.

### **Ventilation**

In fixed manufacturing settings, local exhaust ventilation should be provided at areas of cutting to remove airborne dust and fibers. General dilution ventilation should be provided as necessary to keep airborne dust and fibers below the applicable exposure limits and guidelines. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

#### **Personal Protective Equipment: General**

Loose-fitting, long-sleeved clothing should be worn to protect the skin from irritation. Exposed skin areas should be washed with soap and warm water after handling.

## **Section 9 — Physical & Chemical Properties**

<b>Appearance:</b>	Brown paste	<b>pH:</b>	7-10
<b>Odor:</b>	Hydrocarbon	<b>Vapor Density:</b>	Not applicable
<b>Physical State:</b>	Solid	<b>Melting Point:</b>	Not applicable
<b>Vapor Pressure:</b>	60mm Hg at 100°F	<b>Specific Gravity:</b>	>1
<b>Boiling Point:</b>	212°F	<b>Freezing Point:</b>	Not applicable
<b>Solubility (H2O):</b>	Miscible	<b>Evaporation Rate:</b>	Not applicable
<b>Viscosity:</b>	Not determined	<b>Percent Volatile:</b>	<55% (H <sub>2</sub> O)
<b>VOC:</b>	<55%		

## **Section 10 — Chemical Stability & Reactivity Information**

### **Chemical Stability**

This is a stable material. This product is not reactive.

#### **Incompatibility**

Material is incompatible with strong oxidizers.

#### **Hazardous Decomposition**

Carbon monoxide, carbon dioxide, oxides of sulfur, water vapor, and miscellaneous hydrocarbons may be released under fire conditions.

#### **Hazardous Polymerization**

Will not occur.

### **Section 11 — Toxicological Information**

#### **Acute Toxicity**

##### **A: General Product Information**

The primary acute health effects of this product include mechanical irritation of the skin and eyes and skin dryness as a result of contact with fumes and dust.

##### **B: Component Analysis - LD50/LC50**

No LD50/LC50's are available for this product or its components.

#### **Carcinogenicity**

##### **A: General Product Information**

OSHA, NTP, IARC, and ACGIH have not classified this product in its entirety as a carcinogen.

##### **B: Component Carcinogenicity**

###### **Asphalt (8052-42-4)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen (Benzene-soluble aerosol)

IARC: Supplement 7, 1987; Monograph 35, 1985; (extracts of steam and air refined bitumens) (Group 2B (possibly carcinogenic to humans))

#### **Chronic Toxicity**

Asphalt: In 1994, IARC reconfirmed its earlier assessment that studies of workers exposed to asphalt provide inadequate evidence of carcinogenicity. IARC had previously classified asphalt as a Group 3 substance. Animal studies in which high concentrations of asphalt fumes were breathed for extended periods of time did not indicate any cancer effects. Bronchitis and pneumonitis were observed. Two studies where condensed fractions of certain asphalt fume condensates were repeatedly applied to the skin of laboratory animals reported the induction of skin cancers. The asphalt fume condensates collected for these studies were subjected to extremely high temperatures (316°C/601°F) and were heated for seven to ten hours while being continually stirred. This is not typical of any asphalt application. Trace amounts of polynuclear aromatic hydrocarbons (PAHs) may be present in some asphalts and can be generated upon excessive heating, which results in thermal cracking of the asphalt compounds. Some of these PAHs have been identified as having potential carcinogenic and reproductive health effects.

### **Section 12 — Ecological Information**

#### **Ecotoxicity**

##### **A: General Product Information**

No data available for this product.

##### **B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

No ecotoxicity data are available for this product's components.

### **Section 13 — Disposal Considerations**

#### **US EPA Waste Number & Descriptions**

##### **A: General Product Information**

This product, as supplied, is not regulated as a hazardous waste by the EPA under RCRA regulations. Comply with state and local regulations for disposal. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the EPA.

##### **B: Component Waste Numbers**

No EPA Waste Numbers are applicable for this product's components.

#### **Disposal Instructions**

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

### **Section 14 — Transport Information**

#### **US DOT Information**

Shipping Name: This product is not classified a hazardous material for transport.

## **Section 15 — Regulatory Information**

### **US Federal Regulations**

#### **A: General Product Information**

No information on this product as a whole.

#### **B: Component Analysis**

This material contains one chemical required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4); Potassium Dichromate (7778-50-9), CERCLA; Final RQ=10 pounds (4.54 kg)

### **State Regulations**

#### **A: General Product Information**

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): **WARNING!** This product contains a chemical known to the state of California to cause cancer.

### **Other Regulatory Information**

#### **A: General Product Information**

No information available for the product.

#### **B: TSCA Status**

This product and its components are listed on the TSCA 8(b) inventory.

### **International Regulations**

#### **Canada Workplace Hazardous Materials Information System (WHMIS)**

WHMIS Classification: D2B– Irritant

#### **Component Analysis - WHMIS IDL**

This product and its components are not listed in the WHMIS IDL

## **Section 16 — Other Information**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

### **Key/Legend:**

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; DSL = Canadian Domestic Substance List; EINECS = European Inventory of New and Existing Chemical Substances; WHMIS = Workplace Hazardous Materials Information System; CAA = Clean Air Act; CHPA = Canadian Hazardous Product Act; IDL = Canadian Hazardous Disclosure List

### **Revision Summary:**

This is a revised MSDS which replaces version 1.0.2 with a new date. Get this and other MSDS forms electronically via Internet: <http://www.iig-llc.com> or by calling 800-866-3234.

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.

Prepared by IIG Technical Services

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Because of the use of this information and the conditions of use of this product are not within the control of Industrial Insulation Group, it is the users obligation to determine the conditions of safe use of this product. Users of this product should study this MSDS and become aware of the product hazards and safety information before using this product. Users should also notify their employees, agents, and contractors regarding information contained in this MSDS and any product hazards and safety information in order to provide for safe use of this product.