



Material Safety Data Sheet  
MSDS Date: 5/15/2012

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: TRITOTHERM Roof Coating  
SYNONYMS: None  
PRODUCT CODES:

MANUFACTURER: Triton, Incorporated™  
DIVISION:  
ADDRESS: 250 33rd Street Drive SE, Cedar Rapids, Iowa 52403

EMERGENCY PHONE: 319-861-5233

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	OSHA Exposure Limits	ACGIH Exposure Limits	Other Limits
Modified acrylic resin	N/A	N/A	
Water	N/A	N/A	
Titanium Dioxide	10mg/ m3	10mg/ m3	
Insulation particulates	15 mg/m3	15 mg/m3	
Ammonia	35 mg/m3	17 mg/m3	
Calcium Carbonate	15 mg/m3	10 mg/m3	
Surfactant	15 mg/m3	5 mg/m3	

**SECTION 3: HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW: Contact with eyes or skin may result in irritation. Ingestion may result in gastric disorders. Inhalation may irritate the respiratory tract.

ROUTES OF ENTRY: Inhalation, Skin Contact, Eye Contact, Ingestion

TARGET ORGANS : Respiratory System, Central Nervous System, Gastro-Intestinal Tract, Lungs, Cardiovascular System, Kidneys, Liver

ACUTE TOXICITY:

Eyes: Contact may cause irritation with tearing, pain, blurring of vision, corneal opacity or clouding of the eye.

Skin Contact: Prolonged skin contact may cause redness and itching.

Ingestion: Ingestion is not a probable route of exposure. The product is alkaline. Caustic products have been shown to effect the central nervous system and cause stomach distress.

Inhalation: At normal temperatures, low exposures will be encountered. These vapors may be irritating to the eyes, nose or throat. At high temperatures, above 200 F, vapors are irritating to the eye, nose and throat. Take precautions to avoid exposure.

**SECTION 4: FIRST AID MEASURES**

EYES: Liquid splashed in the eye may cause transient eye irritation. Flush immediately with large amounts of water for at least 15 minutes lifting the upper and lower eye lids occasionally. Take to a physician for medical treatment.

SKIN: Short term exposure may cause transient skin irritation. Remove with soap and water and flush with copious amounts of water to the exposed areas to rinse the material away. If clothing was contaminated, remove and clean before reuse.

INGESTION: If ingested, consult a physician, hospital emergency room or poison control center immediately. (Never induce vomiting or give an unconscious person anything by mouth.)

INHALATION: Inhalation of mists may cause mild respiratory irritation. Remove from the exposure and provide with plenty of fresh air.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Any treatment that might be required for overexposure should be directed at the symptoms and the clinical conditions.



Material Safety Data Sheet  
MSDS Date: 5/15/2012

**SECTION 5: FIRE-FIGHTING MEASURES**

FLAMMABLE LIMITS IN AIR, UPPER: N/A %  
(% BY VOLUME) LOWER: N/A%

FLASH POINT: None

**NFPA HAZARD CLASSIFICATION**

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0  
OTHER:

**HMIS HAZARD CLASSIFICATION**

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0  
PROTECTION: Eye protection, gloves, dust mask

This is a waterborne product with trace quantities of organic vapors. No ignition will occur until the water is evaporated.

CAUTION: If closed containers are exposed to extreme heat, they may explode due to high steam pressure buildup.

COMBUSTION PRODUCTS: Carbon monoxide and carbon dioxide are the largest portion of products of combustion. There will be hazardous gases of hydrogen chloride (HCL), other organic acids, and aldehydes as well.

When water is used, fog nozzles are preferable. Use water to cool closed containers. Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH- approved or equivalent) and full protective gear.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES: In the advent of a spill, contact the proper authorities as required. Small spills should be confined with inert absorbent. Collect in a proper container for disposal. Dispose of in accordance with local regulations.

Do not allow large spills to get into any waterway, dry creek, sewer, or water supply. Pump into proper drums for disposal.

Do not put contaminated paint into unused paint. Dispose of in accordance with local regulations.

**SECTION 7: HANDLING AND STORAGE**

HANDLING AND STORAGE: Store in a cool dry area. Temperatures of storage should be between 50F and 90F.

OTHER PRECAUTIONS: PROTECT FROM FREEZING and keep out of direct sunlight for extended periods.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

In most cases, application of roof coating, ventilation is expected to be adequate. However, if applied in confined areas, assure adequate ventilation through the use of fans, blowers, etc.

When spraying, use an appropriate, properly fitted NIOSH/MSHA approved respirator to protect against spray mist and vapors. Refer to OSHA 29 CFR 1910.134 titled "Respiratory Protection" for further suggestions. Use a face shield or goggles with side shields for eye protection.

The use of nitrile rubber gloves and eye protection, safety glasses with side shields, is recommended.

As a precautionary measure, it is recommended that a supply of clean water be readily available for an eye wash. Contaminated clothing and rags should be handled in compliance with local regulations. Contaminated clothing should be cleaned before reuse.



Material Safety Data Sheet  
MSDS Date: 5/15/2012

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Thick emulsion mixture

COLOR: White

ODOR: Slight ammonia

PHYSICAL STATE: Liquid

VAPOR DENSITY (AIR = 1): Heavier than air

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.1

EVAPORATION RATE: Like Water

FREEZE POINT: 32 F (0 C)

BOILING POINT: Approx. 212 F (100 C)

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY: This material is stable when stored at common room temperature and use conditions. PROTECT FROM FREEZING

INCOMPATIBILITY: Solvents will coagulate the product

The following materials will likely be present as products of combustion: Carbon Monoxide, Carbon Dioxide, Hydrogen Chloride, Organic Acids and Aldehydes.

**SECTION 11: TOXICOLOGICAL INFORMATION**

NO APPLICABLE DATA

**SECTION 12: ECOLOGICAL INFORMATION**

Report spills as required to the proper authorities. This material should be treated as a paint under DOT regulations. Avoid contact with waterways, dry creeks, any water supply or sewers.

**SECTION 13: DISPOSAL CONSIDERATIONS**

ALWAYS DISPOSE OF ANY LIQUID OR DRY MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

LIQUID WASTE: Package and label properly for disposal. Take all paint that cannot be used to approved recycle centers, paint roundups, or county facilities that are approved collection sites. Contact county, city or state health services or fire departments to find the nearest recycle center. Do NOT dispose of in water streams or sewers.

SOLID WASTE: In many areas, dried paint may be disposed of into regular trash containers. Check with your local authorities before disposal.



Material Safety Data Sheet  
MSDS Date: 5/15/2012

**SECTION 14: TRANSPORT INFORMATION**

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Roofing Coating, Non Hazardous

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: 55

DOT: This product is a water born product with a flash point over 212 F(100 C). It is classified as Non-Combustible and Non-Hazardous.

**SECTION 15: REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All materials are in compliance with TSCA requirements for commercial use.

State Right To Know: This product contains no known hazardous materials in excess of 1% (or 0.1% for carcinogens). PA, MA, NJ

**SECTION 16: OTHER INFORMATION**

DISCLAIMER: The information in this document is based on the information received from supplier sources and the experience of Triton, Inc. No representation or warranty is made by Triton, Inc. as to the accuracy or completeness of the information. Triton, Inc. makes no warranty, express or implied as to the usability of the product.