

# MATERIAL SAFETY DATA SHEET



MSDS DATE: 3/30/2012

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: TritoFlex Roofing & Waterproofing Coating  
SYNONYMS:  
PRODUCT CODES:

MANUFACTURER: Triton Incorporated  
DIVISION:  
ADDRESS: 250 33<sup>rd</sup> St. Drive NE, Cedar Rapids, Iowa 52403

EMERGENCY PHONE: 319-861-5233

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Chemical Name/CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Limits</u>
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## SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

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.

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## SECTION 4: FIRST AID MEASURES

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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.

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## SECTION 5: FIRE-FIGHTING MEASURES

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

FLASH POINT: None

NFPA HAZARD CLASSIFICATION

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HEALTH: 2  
OTHER:

FLAMMABILITY: 0

REACTIVITY: 0

HMIS HAZARD CLASSIFICATION

HEALTH: 2  
PROTECTION:

FLAMMABILITY: 0

REACTIVITY: 0

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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**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

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## SECTION 7: HANDLING AND STORAGE

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

**OTHER PRECAUTIONS:** PROTECT FROM FREEZING

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Brownish to Black Opaque Material

**ODOR:** Mild

**PHYSICAL STATE:** Liquid

**VAPOR DENSITY (AIR = 1):** Heavier than air

**SPECIFIC GRAVITY (H2O = 1):** 1.024

**EVAPORATION RATE:** Like Water

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## SECTION 10: STABILITY AND REACTIVITY

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

**INCOMPATIBILITY:** None known

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

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### EXPOSURE LIMITS:

Oil Mist

OSHA PEL: 5 mg/m<sup>3</sup>

ACGIH TLV: 5 mg/m<sup>3</sup>

Sodium Hydroxide (NaOH)

OSHA PEL: 2 mg/m<sup>3</sup>

ACGIH TLV: 2 mg/m<sup>3</sup>

Potassium Hydroxide (KOH)

OSHA PEL: None Established

ACGIH TLV: 2mg/m<sup>3</sup>

## SECTION 12: ECOLOGICAL INFORMATION

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

## SECTION 13: DISPOSAL CONSIDERATIONS

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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.

## SECTION 14: TRANSPORT INFORMATION

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### 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

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### 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

**California Proposition 65: WARNING:** This material does contain materials known to the State of California to cause cancer or other reproductive harm: Bitumens, Present at low concentrations (Trace Quantities) are Asphalt fumes, and Chloroprene.

**Clean Water Act/ Oil Pollution Act:** This product may be classified as an oil under Section 311 of the Clean water Act and under the Oil Pollution Act. Discharges or spills must be reported to the National Response Center (1-800-424-8802).

## SECTION 16: OTHER INFORMATION

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