



## MSDS *Material Safety Data Sheet*

1.4.2010

5 Pages

*MSDS Number TRU-TOP*

### 1.0 Product and Company Identification

**Manufacturer:**

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**Emergency Contact:** INFOTRAC 800-535-5053

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**Product Name:** TRU-TOP  
**Revision Date:** 2.28.09  
**MSDS Number:** TRU-TOP  
**Chemical Family:** XXXXXXXXXXXXXXXX

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. Transportation Emergency phone number: INFOTRAC 800 535-5053

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### 2.0 Hazards Identification

**Route of Entry:** Skin and Eye contact from liquid and aerosols. Inhalation- although this product is low in volatility, an inhaling hazard can exist from the aerosols or vapors formed during application.

**Target of Organs:** Skin; eyes; upper respiratory tract (aerosol).

**Inhalation:** ACUTE EXPOSURE: Vapor or mist at concentrations above the TLV can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction). Individuals with a pre-existing, non-specific bronchial hyper-reactivity can respond to the concentrations below the TLV with similar symptoms as well as asthma attack. Exposure well above the TLV may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). These effects are usually reversible. These symptoms can be delayed up to several hours after exposure. CHRONIC EXPOSURE: None found.

**Skin Contact:** ACUTE EXPOSURE: Isocyanates react with skin protein and moisture and can cause irritation which may include the following symptoms: reddening, swelling, rash, scaling or blistering. Cured material is difficult to remove.  
CHRONIC EXPOSURE: None Found.

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**Eye Contact:** ACUTE EXPOSURE: Liquids, aerosols or vapors are irritating and can cause tearing, reddening, and swelling. If left untreated, corneal damage can occur.  
CHRONIC EXPOSURE: None Found

**Ingestion:** ACUTE EXPOSURE: Can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.  
CHRONIC EXPOSURE: None found

### 3.0 Composition/Information on Ingredients

Ingredients:

CAS #	Chemical Name	Percent
872-50-4	N-Methyl-2-Pyrrolidone	3.4% by Weight
13463-67-7	Titanium Dioxide	

OSHA Regulatory Status: This MSDS Contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

### 4.0 First Aid Measures

**Inhalation:** Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic-type symptoms may develop and may be immediate or delayed up to several hours. Consult physician should this occur.

**Skin Contact:** Wash affected skin thoroughly with soap and water.

**Eye Contact:** Flush with copious amounts of lukewarm water for at least 15 minutes, holding eyelids open at all times. Refer individual to physician or ophthalmologist for immediate follow-up.

**Ingestion:** Give 1 to 2 cups of milk or water to drink. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Get prompt, qualified medical attention. If vomiting occurs spontaneously, do not allow vomit to be breathed into the lungs as even a small quantity in the lungs may result in aspiration pneumonitis.

### 5.0 Fire Fighting Measures

Flash Point: Not established

Water fog, dry chemical (e.g. monoammonium phosphate, potassium sulfate, and potassium chloride), carbon dioxide, high expansion (proteinic) chemical foam, water spray for large fires. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. During a fire, vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.

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## 6.0 Accidental Release Measures

Cover the spill with sawdust, vermiculite, Fuller's earth or other absorbent material. Collect material in uncovered container and dispose of after material has cured.

## 7.0 Handling and Storage

**Handling Precautions:** Avoid breathing vapors or mist; Avoid contact with eyes, skin or clothing. Keep containers tightly closed.

**Storage Requirements:** Avoid Freezing or temperatures over 150F. Store in tightly closed containers to prevent moisture contamination. Store in cool/dry area.

## 8.0 Exposure Controls/Personal Protection

**Engineering Controls:** Educate and train employees in safe use of this product. Follow all label instructions. Local exhaust should be used to maintain levels below the TLV whenever this product is processed, heated or spray applied. For spray applications, a respirator must be worn. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

**Protective Equipment:** An air-supplied respirator must be worn during spray applications. Observe OSHA regulations for respirator use (29CFR 1910.134). Chemical resistant gloves (butyl rubber, nitrile rubber). Cover as much of the exposed area as possible with appropriate clothing. Contact lenses should not be worn.  
ADDITIONAL PROTECTIVE MEASURES: Clean, fresh running water should be available.

## 9.0 Physical and Chemical Properties

**Appearance:** Red, green, blue, purple, or black

**Physical State:** Liquid

**Odor:** Slight / mild

**pH:** N.A.

**Boiling Point:** Not established

**Freezing Pt:** 32F

**Solubility:** Dilutes with water

**Vapor Pressure:** Not Established

**Spec Grav./Density:** 1.1

**Vapor Density:** Not Established

**VOC:** 94g/l

## 10.0 Stability and Reactivity

**Stability:**

Product is stable under normal conditions.

**Conditions to avoid:**

Temperatures over 400 DEG F (204 DEG C).

**Materials to avoid (incompatibility):**

Oxidizing agents, acids, strong bases, alcohols.

**Hazardous Decomposition products:**

Carbon dioxide (CO<sub>2</sub>) Carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke, and other undetermined compounds.

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## **11.0 Toxicological Information**

**SKIN IRRITATION:** Irritating.

**EYE IRRITATION:** Severe

**CARCINOGENICITY STATUS:** This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, ACGIH, or OSHA.

**MEDICAL CONDITIONS AGGRAVATED:** Skin allergies, asthma, other respiratory disorders, eczema.

## **12.0 Ecological Information**

**Bioaccumulative potential:** Not established

**Ecotoxicity:** Not established

**Elimination ( persistency and degradability):** Not established

## **13.0 Disposal Considerations**

Waste and container disposal must be in accordance with federal, state, and local environmental control regulations. Decontaminate containers prior to disposal.

## **14.0 Transport Information**

DOT (HM-181; DOMESTIC SURFACE)

UN/NA NUMBER:	N/A
D.O.T. SHIPPING NAME:	Non Regulated
D.O.T. HAZARD CLASS:	none

## **15.0 Regulatory Information**

TSCA: All components in this mixture are included in the TSCA Inventory.

US EPA Emergency Planning and Community right to Know Act (EPCRA) SARA Title III:

Section 302 Extremely Hazardous substances (40CFR 355), Appendix A: None  
Section 313 Toxic chemicals (40 CFR 372.65): CAS # 872-50-4 N-Methyl-2-Pyrrolidone  
3.45% by weight.

## **16.0 Other Information**

OTS Company believes the information herein to be true, accurate and reliable and is given in good faith. The company cannot, however be held responsible for any errors or omissions and will not accept responsibility for any use which may be made of the information. Properties shown are typical and do not imply a specification. This information is based on practical experience and laboratory testing, successful use depends on the conditions applicable at the time and the equipment used. Users must ensure by their own testing that the products perform adequately in each situation. Since conditions and disposal are beyond our control, OTS Company, Inc. disclaims any liability incurred in connection with the use of our products; no warranty, express or implied, is given nor is any freedom from any patent or use of trademark owned by OTS or others implied.

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