

# SAFETY DATA SHEET



Date Prepared : 04/14/2015

SDS No : TCOL 660

T\*COL 660

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** T\*COL 660**PRODUCT DESCRIPTION:** Polypropylene Glycol Monobutyl Ether**MANUFACTURER**

Trico Technologies, Inc.  
209 Ambrogio Drive  
Gurnee, IL 60031

**Emergency Phone:** (847) 662-9224**24 HR. EMERGENCY TELEPHONE NUMBERS**

847-662-9224

## 2. HAZARDS IDENTIFICATION

**GHS LABEL**

Exclamation  
mark

**SIGNAL WORD:** WARNING**HAZARD STATEMENTS**

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H333: May be harmful if inhaled.

H335: May cause respiratory irritation.

**PRECAUTIONARY STATEMENTS****Prevention:**

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
oxirane, 2-methyl-, polymer with oxirane, monobutyl ether	> 99	9038-95-3

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention, if irritation persists.

**SKIN:** Remove all contaminated clothing. Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

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**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Overexposure causes excessive watering, redness and stinging.

**SKIN:** Overexposure may cause itching and redness similar to a rash.

**INGESTION:** Overexposure may cause gastrointestinal irritation, diarrhea, nausea and vomiting.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Alcohol foam, carbon dioxide, dry chemical or water spray.

**FIRE FIGHTING EQUIPMENT:** Wear self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Contain material by diking the area around the spill. If product is a solid form, shovel directly into recovery drums. If the product is a liquid, it should be picked up using suitable absorbant material, then shoveled into recovery drums.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not discharge into drains, groundwater or storm sewers and ditches which lead to waterways.

### 7. HANDLING AND STORAGE

**HANDLING:** No special requirements

**STORAGE:** Keep container tightly sealed and store in a dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Ensure adequate ventilation especially in confined areas.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** This chemical requires the use of chemical protective goggles that meet ANSI / ISEA Standards.

**SKIN:** This chemical requires the use of a chemical resistant glove that meet ANSI / ISEA Standards.

**RESPIRATORY:** The use of NIOSH approved respiratory protection maybe needed if working in a poor ventilated area.

**WORK HYGIENIC PRACTICES:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**OTHER USE PRECAUTIONS:** Eye-wash station recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Mild characteristic

**APPEARANCE:** Liquid

**COLOR:** Colorless to pale yellow

**pH:** 5.5 to 7.5 (10% Aqueous)

**FLASH POINT AND METHOD:** > 241°C (466°F) COC

**FLAMMABLE LIMITS:** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**VAPOR PRESSURE:** < 0.1 mmHg at 25°C

**VAPOR DENSITY:** > 1

**BOILING POINT:** > 200°C (392°F)

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**FREEZING POINT:** No data available.  
**MELTING POINT:** No data available.  
**POUR POINT:** ~ -31°C  
**THERMAL DECOMPOSITION:** No data available.  
**SOLUBILITY IN WATER:** Soluble  
**EVAPORATION RATE:** No data available.  
**SPECIFIC GRAVITY:** 1.063 at 20°C  
**VISCOSITY #1:** 135 to 150 cSt at 40°C  
**MOLECULAR WEIGHT:** 3930 g/mol  
**(VOC):** g/l  
**COEFF. OIL/WATER:** No data available.

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Will not occur  
**STABILITY:** Product is stable under ordinary conditions of use and storage.  
**INCOMPATIBLE MATERIALS:** Avoid contact with strong oxidizing agents.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**EYES:** No data available.  
**DERMAL LD<sub>50</sub>:** > 20000 mg/kg (rabbit)  
**SKIN ABSORPTION:** No data available.  
**ORAL LD<sub>50</sub>:** > 2000 mg/kg (Rat)  
**INHALATION LC<sub>50</sub>:** 4h, Aerosol, rat 0.106 - 0.26 mg/l  
**EYE EFFECTS:** Category 2B (Fully reversible within 7 days)  
**SKIN EFFECTS:** Long term exposure may cause irritation.  
**CHRONIC:** Did not cause cancer in laboratory animals.  
**REPEATED DOSE EFFECTS:** In animals, effects have been reported on the following organs after exposure to aerosols:  
 Lungs  
**GENETIC EFFECTS:** No relevant data found.  
**REPRODUCTIVE EFFECTS:** No relevant data found.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Product is moderately biodegradable  
**ECOTOXICOLOGICAL INFORMATION:** This product does not have any known adverse effects on aquatic organisms tested.  
**BIOACCUMULATION/ACCUMULATION:** Not expected to bioaccumulate in the environment  
**AQUATIC TOXICITY (ACUTE)**  
**96-HOUR LC<sub>50</sub>:** > 3170 Pimephales promelas (fathead minow)  
**48-HOUR EC<sub>50</sub>:** > 17000 Daphnia magna (water flea), static test, immobilization.

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Consult local, state and federal regulations before disposing of this material.

**EMPTY CONTAINER:** Dispose of in a licensed facility.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Non-Regulated Material

### AIR (ICAO/IATA)

**SHIPPING NAME:** Non-Regulated Material

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Non-Regulated Material

**MARINE POLLUTANT #1:** No

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
oxirane, 2-methyl-, polymer with oxirane, monobutyl ether	9038-95-3

**TSCA STATUS:** All the components of this material are listed in or exempt from the TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** May contain the following components know in the State of California to cause cancer, birth defects, or other reproductive harm.

Listed above.

## 16. OTHER INFORMATION

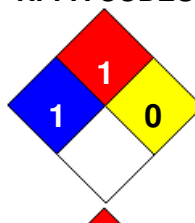
**APPROVED BY:** PEC

**PREPARED BY:** PEC **Date Prepared:** 04/14/2015

### HMIS RATING

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### NFPA CODES



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