

SAFETY DATA SHEET



Date Prepared : 2/4/2015
SDS No : TCOL 5100

T*COL 5100

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: T*COL 5100
PRODUCT DESCRIPTION: Polyether Polyol

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: May cause 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: Viscous liquid

COLOR: Colorless to pale yellow

pH: 5.5 to 7.5 (5% 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: > 10

BOILING POINT: > 200°C (392°F)

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FREEZING POINT: No data available.
MELTING POINT: No data available.
POUR POINT: ~ -36°C
THERMAL DECOMPOSITION: No data available.
SOLUBILITY IN WATER: Soluble
EVAPORATION RATE: No data available.
SPECIFIC GRAVITY: 1.057 at 20°C
VISCOSITY #1: 952 to 1050 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 LD₅₀: > 21140 mg/kg (rabbit)
SKIN ABSORPTION: No data available.
ORAL LD₅₀: > 45000 mg/kg (Rat)
INHALATION LC₅₀: 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
BIOACCUMULATION/ACCUMULATION: Not expected to bioaccumulate in the environment
AQUATIC TOXICITY (ACUTE)
96-HOUR LC₅₀: > 3170 Pimephales promelas (fathead minow)
48-HOUR EC₅₀: > 17000 Daphnia magna (water flea), static test, immobilization.

13. DISPOSAL CONSIDERATIONS

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

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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.

None known

16. OTHER INFORMATION

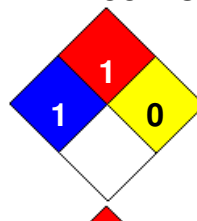
APPROVED BY: PEC

PREPARED BY: PEC **Date Prepared:** 2/4/2015

HMIS RATING

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA CODES



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