



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Tri-Cool Product Code: TCTT 01 TCTT 05 TCTT 55

MANUFACTURER ADDRESS:

Tri-Chem Corporation
431 Stephenson Hwy.
Troy, MI 48083

Phone: 800.456.6255
Emergency: 800.535.5053

SECTION 2: HAZARDS IDENTIFICATION

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: \geq 2.3 < 4.0 or persistent inflammation
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	2	Human or animal evidence possibly with other information
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity \geq 20.5 mm ² /s at 40° C.

GHS Hazards

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see ... on this label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container appropriately

Signal Word: Danger



SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	80.00% - 90.00%
Diethylene glycol monobutyl ether	112-34-5	3.00%
Diethylene glycol	111-46-6	1.00% - 5.00%
2,4-Pentanediol, 2-methyl-	107-41-5	1.00%

SECTION 4: FIRST AID MEASURES

INHALATION:

Remove to fresh air. In severe cases of overexposure, such as with a fire, administer oxygen and seek qualified medical attention.

EYE CONTACT:

Flush with copious amounts of water for several minutes. If irritation persists, continue with water application. If, after 15 minutes, irritation continues, seek medical attention.

SKIN CONTACT:

Promptly wash skin with mild soap and water.

INGESTION:

Do not induce vomiting. Seek qualified medical attention. Small amounts, which may enter the mouth incidental to handling, may be rinsed out with water.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: > 176 C (>349 F)

LEL:

UEL:

FLAMMABLE LIMITS:

Combustible liquid.

EXTINGUISHING MEDIA:

Foam, Carbon Dioxide, Dry Chemical, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Water may spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Water may spread the fire as oil can float on it. Water spray may be used to cool exposed containers.

FIRE EQUIPMENT:

Use of water for fire fighting must be done with caution as water may actually spread the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:

Prevent spill from reaching any type of running or standing water, such as streams, sewers, well water and ponds.

SMALL SPILLS:

For small spills, wipe up or use absorbent to clean the spill area.

LARGE SPILLS:

For large spills, pump released material into recovery containers and then spread absorbent over the spill area to collect residuals.

SECTION 7: HANDLING AND STORAGE
--

HANDLING PRECAUTIONS:

When handling, have appropriate safety equipment for the working conditions including eyewash. Do not pressurize, cut, weld, braze, solder, drill, or grind containers containing product residues.

STORAGE REQUIREMENTS:

Store in a sheltered area, away from temperature extremes in labeled containers. Keep away from heat, sparks, or flame. Avoid contact with eyes, skin, clothing, and shoes.

REGULATORY REQUIREMENTS:

Prevent spread of material to rivers or waterways.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION
--

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Distillates, petroleum, hydrotreated heavy naphthenic 64742-52-5	PEL, 5 mg/m ³ , Mist STEL, 10 mg/m ³ , Mist TWA, 5 mg/m ³ , Mist	PEL, 5 mg/m ³ , Mist STEL, 10 mg/m ³ , Mist TWA, 5 mg/m ³ , Mist	Not Established
Diethylene glycol monobutyl ether 112-34-5	Not Established	10 ppm TWA (inhalable fraction and vapor)	Not Established
Diethylene glycol 111-46-6	Not Established	Not Established	Not Established
2,4-Pentanediol, 2-methyl- 107-41-5	Not Established	25 ppm Ceiling	NIOSH: 25 ppm Ceiling; 125 mg/m ³ Ceiling

ENGINEERING CONTROLS:

Good ventilation desirable.

VENTILATION:

Sufficient to control mists below the operator exposure threshold limit of 5 mg/m³.

WORK HYGIENIC PRACTICES:

Keep clean. Wash exposed skin areas with mild soap and water.

PROTECTIVE GEAR:

RESPIRATORY PROTECTION: Required if employee exposure exceeds threshold.

EYE PROTECTION: Where contact is likely, wear safety glasses.

SKIN PROTECTION: Gloves recommended when handling. Neoprene, nitrile, or PVC offers good protection.

CONTAMINATED GEAR:

Launder contaminated clothing before reuse. Discard of contaminated PPE that cannot be cleaned.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
--

<p>Appearance: Amber Liquid</p> <p>Vapor Pressure: 0.028 mmHg</p> <p>Vapor Density: 4.1</p> <p>Specific Gravity: 0.919168013</p> <p>Freezing point: N/A</p> <p>Boiling range: 198°C</p> <p>Evaporation rate: Nil</p>	<p>Odor: Characteristic</p> <p>Odor threshold: N/A</p> <p>pH: 9.0</p> <p>Melting point: N/A</p> <p>Solubility: Soluble</p> <p>Flash point: 349 F, 176 C</p> <p>Flammability: N/A</p>
---	---

Explosive Limits: 0% Autoignition temperature: 228°C Viscosity, cSt at 40C: 30	Partition coefficient (n- N/A octanol/water): Decomposition temperature: N/A Lbs VOC/Gallon Less Water N/A
---	---

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

STABLE

CONDITIONS TO AVOID:

Any type of contamination.

No Data Available

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

No Data Available

Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

112-34-5	Diethylene glycol monobutyl ether Oral LD50: 3,384 mg/kg (Rat) Dermal LD50: 2,700 mg/kg; (Rabbit)
107-41-5	2,4-Pentanediol, 2-methyl- Oral LD50: 3,692 mg/kg (Rat)

ROUTES OF ENTRY:

Inhalation, Skin Contact, Eye Contact, Ingestion

No Data Available

Eyes	Central Nervous System	Skin	Respiratory System
------	------------------------	------	--------------------

Effects of Overexposure

CARCINOGENICITY:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
64742-52-5	Distillates, petroleum, hydrotreated heavy naphthenic	30 to 90%	Distillates, petroleum, hydrotreated heavy naphthenic: EU REACH: Present (L)

SECTION 12: ECOLOGICAL INFORMATION

Component Ecotoxicity

Distillates, petroleum, hydrotreated heavy naphthenic	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L
Diethylene glycol monobutyl ether	96 Hr LC50 Lepomis macrochirus: 1300 mg/L [static] 48 Hr EC50 Daphnia magna: >100 mg/L 96 Hr EC50 Desmodesmus subspicatus: >100 mg/L
Diethylene glycol	96 Hr LC50 Pimephales promelas: 75200 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 84000 mg/L

2,4-Pentandiol, 2-methyl-

96 Hr LC50 Pimephales promelas: 10500 - 11000 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 10000 mg/L [static]; 96 Hr LC50 Pimephales promelas: 8690 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 10700 mg/L [static]
48 Hr EC50 Daphnia magna: 2700 - 3700 mg/L

SECTION 13: DISPOSAL CONSIDERATIONS

Contact waste hauler for recycling. Follow all Local, State, and Federal regulations.

SECTION 14: TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not Regulated			
IATA	Not Regulated			
IMDG	Not Regulated			

SECTION 15: REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

This product is classified under SARA 311/312:

- None

The following chemicals are classified under SARA 313 Toxic Release Inventory (TRI):

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Canada	Canadian DSL	Yes
USA	TSCA	Yes

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

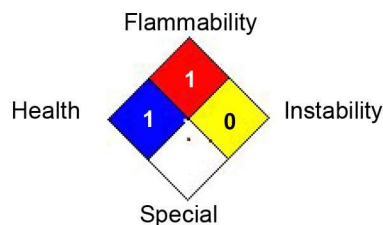
Prepared at an ISO 9001:2008 certified facility.

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="1"/>
FLAMMABILITY	<input type="text" value="1"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text" value=""/>

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



DISCLAIMER:

The information presented was obtained from sources believed to be reliable. However, it is provided without any warranty, expressed or implied, regarding its correctness. We do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the use, handling, storage, or disposal of the product.