

# Material Safety Data Sheet

## Section 1 Product Identification

Product Name: Neutral Cleaner

Formula type: mild detergent

### Manufacturer's Name:

Chem-Tech, Inc.

6551 Jansen Avenue NE – Suite 106

Albertville, MN 55301

Emergency Telephone: 1-800-535-5053

Information: 1-763-417-1380

Fax: 763-417-1389

## Section 2 Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>%</u>	<u>Threshold Limit Value</u>	<u>Permissible Exposure Limit</u>
Water	7732-18-5	80-90	NE	NE
Dipropylene glycol methyl ether	34590-94-8	1-5	100 ppm TWA	100 ppm STEL
Methyl-oxirane polymer with oxirane	9003-11-6	1-5	NE	NE

Balance of ingredients are not hazardous as defined by OSHA

## Section 3 Physical Data

Form:	Liquid	pH as is:	7.3- 7.7
Color:	Clear blue	pH (1% vol):	7.0 -7.6
Odor:	Lemon	Solubility in Water:	Complete
Specific Gravity (Water = 1):	1.004 - 1.008	Vapor Density (Air = 1):	>1
Boiling Point °F:	approx. 212	% VOC:	<4
Evaporation Rate (Water = 1):	<1	Vapor pressure:	similar to water

## Section 4 Fire and Explosion Information

Flash Point (Method) F: Greater than 200F Cleveland Open Cup

Unusual Fire and Explosion Hazards: None known. Containers may melt or rupture from the heat of a fire.

Extinguishing Agents: Foam, carbon dioxide, dry chemical, water fog, water

Fire fighting methods: Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible. Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of storage tank due to fire. Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus with full face mask and full protective equipment.

## Section 5 Health Hazard Data - Signs and Symptoms of Overexposure:

Probable Routes of Entry: Eyes or skin

Eyes: Redness, irritation, tearing

Skin: Redness or dryness upon prolonged contact

Inhalation: Not expected under normal use conditions

Ingestion: Nausea, vomiting, diarrhea

Medical Conditions Aggravated by Exposure: Pre-existing skin disorders or abrasions.

**Section 6 Emergency First Aid Procedures**

- Eyes:** Immediately flush eyes with cool running water for at least 15 minutes. Obtain medical aid if irritation develops.
- Skin:** Wash skin with cool water. Obtain medical aid if irritation develops. Remove contaminated clothing and launder.
- Inhalation:** Remove to fresh air. Monitor breathing. Obtain immediate medical aid.
- Ingestion:** If conscious, drink two glasses of water. Induce vomiting, keep head down to avoid aspiration into lungs, and seek immediate medical aid. If unconscious, do not give anything to drink, do not induce vomiting, and obtain immediate medical assistance.

**Section 7 Reactivity Data**

- Stability:** Stable at room temperature (68F) when stored and used under proper conditions.
- Incompatibility:** Avoid contact with acids and oxidizing materials.
- Hazardous Decomposition Products:** Smoke, carbon dioxide, carbon monoxide
- Hazardous Polymerization:** Will not occur.

**Section 8 Spill & Leak Procedures**

- Procedures for Cleanup:** Wear protective gear. Small spills: Area will be slippery. Mop thoroughly and rinse with water.
- Large Spills:** Area will be very slippery. Dike product with sand or dirt. Keep out of surface waters. Salvage for reuse if possible. Otherwise place into suitable container for disposal. Inform local pollution officials of spill. Spill may be considered RCRA hazardous if contaminated. Call local regulatory agency.
- Waste Disposal:** Contact the proper county, state or federal authorities. May be RCRA regulated if contaminated.

**Section 9 Special Protection Information**

- Ventilation Type Required:** General or local
- Protective Gloves:** If there is prolonged contact, wear rubber, neoprene, or nitrile gloves
- Respiratory Protection:** Not necessary under normal use conditions and ventilation. If vapors are generated, wear NIOSH respirator for mists.
- Eye Protection:** If there is splashing, wear safety glasses
- Other Equipment:** Water source for eye and skin wash. Rubber boots to keep feet dry

**Section 10 Special Precautions**

Store between 30° F and 110° F. Store away from heat or ignition sources. Store out of direct sunlight. Keep out of reach of children. Keep container closed when not in use. For industrial and institutional use only. Mix only with water. Thoroughly rinse empty containers before disposal.

**Section 11 Toxicity Data****Toxicity:**

<b><u>Ingredient</u></b>	<b><u>LD50 - Oral</u></b>	<b><u>LD50 – skin absorption</u></b>	<b><u>LC50 - Inhalation</u></b>	<b><u>Effects</u></b>
Dipropylene glycol methyl ether	5220 mg/kg (rat)	13000 - 14000 ml/kg (rabbit)	ND	ND

Methyl-oxirane polymer with oxirane (see note #1 below)	> 5,000 mg/kg (rat)	> 2,000 mg/kg (rabbit)	ND	ND
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#1. The product has not been tested. The statement has been derived from products of a similar structure and composition.

#### Carcinogenicity:

<u>Ingredient</u>	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
Dipropylene glycol methyl ether	No	No	No
Methyl-oxirane polymer with oxirane	No	No	No

#### Other effects:

<u>Ingredient</u>	<u>Reproductive Toxicity</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>
Dipropylene glycol methyl ether	ND	ND	In vitro studies were negative
Methyl-oxirane polymer with oxirane	ND	ND	ND

### Section 12 Ecological Information

#### Ingredient

Dipropylene glycol methyl ether	Readily biodegradable EC50 / 48 hours daphnia > 5,000 mg/l	Acute LC50 fathead minnow: > 10000 mg/l
Methyl-oxirane polymer with oxirane	Acute and prolonged toxicity to fish: golden orfe/LC50 (96 h): > 100 mg/l Acute toxicity to aquatic invertebrates: EC50 (48 h): > 100 mg/l Toxicity to aquatic plants: EC50 (72 h): > 100 mg/l	

### Section 13 Hazard Rating - HMIS

0 = minimal    1 = slight    2 = moderate    3 = serious    4 = severe  
 Health: 1    Reactivity: 0    Fire: 0    Personal protection equipment = B (gloves & glasses)

### Section 14 Regulatory Information

#### • Chemical Inventory Status - part 1 •

<u>Ingredient</u>	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
Dipropylene glycol methyl ether	Yes	Yes	Yes	Yes
Methyl-oxirane polymer with oxirane	Yes	ND	ND	ND

#### • Chemical Inventory Status – part 2 •

<u>Ingredient</u>	<u>Korea</u>	<u>-----Canada-----</u>	<u>Philippines</u>
		<u>DSL</u>	<u>NDSL</u>
Dipropylene glycol methyl ether	Yes	Yes	No
Methyl-oxirane polymer with oxirane	ND	Yes	No

#### • Federal, State & International Regulations – part 1 •

<u>Ingredient</u>	<u>--- SARA 302 ---</u>		<u>----- SARA 313 -----</u>	
	<u>RQ</u>	<u>TPQ</u>	<u>List</u>	<u>Chemical Catg.</u>
Dipropylene glycol methyl ether	No	No	No	No
Methyl-oxirane polymer with oxirane	No	No	No	No

#### • Federal, State & International Regulations – part 2 •

<u>Ingredient</u>	<u>CERCLA</u>	<u>RCRA 261.33</u>	<u>TSCA 8(d)</u>
Dipropylene glycol methyl ether	No	No	No
Methyl-oxirane polymer with oxirane	No	No	No

