



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

Product name	ZEP LUBEZE TAPS-IT	
Product use	Tapping Compound	
Product code	1544	
Date of issue	04/14/14	Supersedes 05/30/11

## Emergency Telephone Numbers

### For MSDS Information:

Technical Services Group  
Telephone (780) 453-8100  
(Business Hours 8:00am - 5:00pm)

### For Medical or Transportation Emergency

CANUTEC (24 Hours)  
(613) 996-6666 - Call Collect

## Prepared By

Technical Services Group  
11627 178th Street  
Edmonton, Alberta T5S 1N6

## Section 2. Hazards Identification

### Emergency overview

#### CAUTION!

MAY CAUSE EYE IRRITATION.

May be harmful if absorbed through skin. Do not get in eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.**

### Acute Effects

### Routes of Entry

Dermal contact. Eye contact.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** May be harmful if absorbed through the skin. May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** No known significant effects or critical hazards.

**Ingestion** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation and diarrhea.

### Chronic effects

Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.

Prolonged or repeated contact may dry skin and cause irritation.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
TRIETHANOLAMINE; TEA	102-71-6	1 - 5
NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npe; poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	1 - 5
TRIISOPROPANOLAMINE; Tris(2-hydroxypropyl)amine	122-20-3	1 - 5

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### Section 5. Fire Fighting Measures

**Flash Point** Not applicable

**Flammable Limits** Not applicable

**Flammability** Non-combustible.

#### Auto-ignition Temperature

**Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.

**Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst. May emit toxic fumes under fire conditions.

**Products of Combustion** carbon oxides (CO, CO<sub>2</sub>), Hydrogen chloride (HCl).

**Explosion hazard** Not available.

### Section 6. Accidental Release Measures

**Spill Clean up** Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Hazard of slipping on spilled product. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Section 7. Handling and Storage

**Handling** Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling.

**Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

### Section 8. Exposure Controls/Personal Protection

#### Product name

#### Exposure limits

No exposure limit value known.

#### Personal Protective Equipment (PPE)



**Eyes** Safety glasses.

**Hands and Body** Chemical-resistant gloves. Nitrile

**Respiratory** A respirator is not needed under normal and intended conditions of product use. Avoid breathing vapors, spray or mists.

### Section 9. Physical and Chemical Properties

**Physical State** Liquid. [Clear.]

**Color** Green.

**pH** 9.4

**Odor** Hydrocarbon. [Slight]

**Boiling Point** 100°C (212°F)

**Vapor Pressure** Not determined.

**Specific Gravity** 1.026

**Vapor Density** Not determined.

**Solubility** Easily soluble in the following materials: cold water and hot water.

**Evaporation Rate** 1 (Water = 1)

**Freezing Point**

**VOC (Consumer)** 22.1 g/L 2.16%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Not available.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information****Carcinogenicity** Not available.**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
2,2',2"-nitrilotriethanol	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	7.39 g/kg	-
	LD50 Oral	Rat	8680 mg/kg	-
Nonylphenoxypoly(Ethyleneoxy)Ethanol	LD50 Dermal	Rabbit	2000 mg/kg	-
1,1',1"-nitrilotripropan-2-ol	LD50 Oral	Rat	3310 mg/kg	-
	LD50 Oral	Mouse	2520 mg/kg	-
	LD50 Oral	Rat	4730 mg/kg	-
	LD50 Oral	Rat	4730 mg/kg	-

**Mutagenicity****Conclusion/Summary** : Not available.**Teratogenicity****Conclusion/Summary** : Not available.**Reproductive toxicity****Conclusion/Summary** : Not available.**Section 12. Ecological Information****Environmental Effects** No known significant effects or critical hazards.**Aquatic Ecotoxicity**

2,2',2"-nitrilotriethanol	-	Acute LC50 100000 µg/1 Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon - Adult	48 hours
	-	Acute LC50 11800000 µg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
	-	Chronic NOEC 16000 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	21 days

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: - [None.]

Classification: - [Non-hazardous waste]

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	Not regulated.	-	-	-		-
<b>IMDG Class</b>	Not available.	Not available.	Not available.	-		-

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*