

# MATERIAL SAFETY DATA SHEET



Date Issued: 08/12/2011  
MSDS No: 2968

## TRITON(TM) CF-10 (90% ACTIVES)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TRITON(TM) CF-10 (90% ACTIVES)

**PRODUCT CODE:** 2968

**MANUFACTURER**

Distributed by Tarr Acquisition, LLC

4115 W. Turney Ave.

Phoenix, AZ 85019

**Service Number:** 602-233-2000

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC (US Transportation) :**(800) 424 - 9300

**CANUTEC (Canadian Transportation) :**(613) 996 - 6666

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** WARNING! Causes Eye Irritation - Aspiration may cause lung damage.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause mild discomfort. Excess redness of the conjunctiva may occur.

**SKIN:** No evidence of harmful effects from available information.

**SKIN ABSORPTION:** No evidence of harmful effects from available information.

**INGESTION:** Moderately toxic. May cause irritation of the mouth, throat, esophagus and stomach with nausea, abdominal discomfort, vomiting and diarrhea. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

**INHALATION:** High concentrations of vapor or mist cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain and coughing.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CHRONIC EFFECTS:** None known.

**MEDICAL CONDITIONS AGGRAVATED:** A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions. See Section 11 for toxicological information and additional information about potential health effects.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**TRITON(TM) CF-10 (90% ACTIVES)**

Chemical Name	Wt.%	CAS	EINECS
poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-[(1,1,3,3-tetramethylbutyl)phenoxy]-	75	60864-33-7	
Poly(oxy-1,2-ethanediyl)-[(1,1,3,3-tetramethylbutyl)phenyl]-w-hydroxy	15	9036-19-5	xxx-xxx-x
Water	10	7732-18-5	231-791-2
Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-	< 3	25322-68-3	xxx-xxx-x

**4. FIRST AID MEASURES**

**EYES:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Obtain medical attention if discomfort persists.

**SKIN:** Flush with water.

**INGESTION:** If swallowed, DO NOT induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

**INHALATION:** Remove from exposure to fresh air. Get medical attention if symptoms persist.

**NOTES TO PHYSICIAN:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (e.g., gastric lavage after endotracheal intubation).

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** Pensky-Martens CC ASTM D93

**FLAMMABLE LIMITS:** Not determined.

**AUTOIGNITION TEMPERATURE:** No data available.

**EXTINGUISHING MEDIA:** Extinguish fires with water spray or apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fire. For small fires, use dry chemical or carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Burning can produce the following products: Carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

**EXPLOSION HAZARDS:** Avoid accumulation of water. Product may be carried across water surface spreading fire or contacting an ignition source.

**FIRE FIGHTING PROCEDURES:** Clear fire area of all non-emergency personnel. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode.

**6. ACCIDENTAL RELEASE MEASURES**

**GENERAL PROCEDURES:** Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to suitable containers for recovery or disposal. To avoid gelling and foaming problems, do not use water to flush away spills.

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**RELEASE NOTES:** Environmental Statement: Microbial degradation of OPEs results in some intermediates that have shown weak estrogen mimetic activity in laboratory screening assays. Proper treatment of OPEs is not expected to result in environmental concentrations considered to be harmful to wildlife or humans. Like most surfactants this product is expected to be relatively toxic to fish. Avoid discharge to natural waters.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear suitable protective clothing. Floor may be slippery. Use care to avoid falling. See Personal Protection information in Section 8.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid contact with eyes. Do not swallow. Keep container closed.

Use with adequate ventilation. Wash thoroughly after handling.

FOR INDUSTRY USE ONLY.

**STORAGE:** Store in accordance with good industrial practices. Storage information may be obtained from product-specific Storage and Handling Guides.

**COMMENTS:** Surfactants can cause foaming problems in biological wastewater treatment plants and other high shear operations.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields or chemical goggles are recommended for any type of industrial chemical handling.

**SKIN:** Wear chemical resistant gloves such as: Neoprene or consult your safety equipment supplier.

**RESPIRATORY:** Atmospheric levels should be maintained below the exposure guideline. When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator. For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure airline with auxiliary self-contained air supply.

**OTHER USE PRECAUTIONS:** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**COMMENTS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild odor.

**COLOR:** Pale straw-colored.

**PERCENT VOLATILE:** 10

**Notes:** by weight

**VAPOR PRESSURE:** 14 mm Hg at 20°C

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**VAPOR DENSITY:** 0.6

**BOILING POINT:** 103.4°C (218.1°F)

**FREEZING POINT:** -3°C (27°F)

**MELTING POINT:** Not Applicable

**FLASHPOINT AND METHOD:** Pensky-Martens CC ASTM D93

**SOLUBILITY IN WATER:** WT %

**EVAPORATION RATE:** 0.7 (n-Butyl Acetate=1)

**DENSITY:** 9.032

**Notes:** LBS./gallon

**SPECIFIC GRAVITY:** 1.083 @ 20°C/20°C

**(VOC):** g/l

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** prolonged excessive heat may cause product decomposition.

**INCOMPATIBLE MATERIALS:** Contact with strong oxidizing and/or reducing agents may result in rapid energy release. Avoid strong bases at high temperatures, strong acids, and materials reactive with hydroxyl compounds.

**11. TOXICOLOGICAL INFORMATION**

**SKIN EFFECTS:** In studies with rabbits sustained occluded skin contact of the undiluted surfactant can cause inflammatory changes in the lung.

**TERATOGENIC EFFECTS:** Developmental effects including extra ribs and other skeletal variations were observed in the fetuses of rats treated with maternally toxic levels of a 9-mole ethoxylate of octylphenol, or a 4-mole or 9-mole ethoxylate of nonylphenol. The significance of these findings to humans is unclear as several human studies did not show any association of congenital effects in children and maternal exposure to spermicides containing octyl or nonylphenol ethoxylates.

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** The environmental fate of this material is not available.

**GENERAL COMMENTS:** Keep out of waterways.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial land local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are with responsibility solely of the waste generator.

**RCRA/EPA WASTE INFORMATION:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in

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40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not DOT Regulated as a hazardous material.

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** This product should be reported as an immediate (acute) health hazard, and a delayed (chronic) health hazard.

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

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

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** To the best of our knowledge, none of the chemicals in this product are listed as an extremely hazardous substance under Section 302 of SARA Title III nor does this product contain any other such substances.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:**

Benzyl chloride CAS #100-44-7, amount: less than 0.1000%

Ethylene oxidie CAS #75-21-8, amount: less than or equal to 0.0010%

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-[(1,1,3,3-tetramethylbutyl)phenoxy]-	60864-33-7
Poly(oxy-1,2-ethanediyl)-[(1,1,3,3-tetrametylbutyl)phenyl]-w-hydroxy	9036-19-5
Water	7732-18-5
Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-	25322-68-3

**CALIFORNIA PROPOSITION 65:** The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the State of California to cause cancer.: Benzyl chloride (CAS 100-44-7) amount: less than 0.1000%

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the State of California to cause reproductive harm.: Ethylene Oxide (CAS 75-21-8) amount: less than or equal to 0.0010%.

**CANADA**

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All substances contained in this product are listed on the

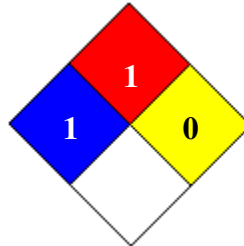
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Canadian Domestic substances List (DSL) or are not required to be listed.

**GENERAL COMMENTS:** The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**16. OTHER INFORMATION**

**PREPARED BY:** COMPLIANCE DEPT.

**NFPA CODES**

**NFPA STORAGE CLASSIFICATION:** These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

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