



# Safety Data Sheet TEC-10 Admix

Preparation Date:12-Jan-2012

Revised 8/12/15

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Description:</b>	<b>Tec-10 Admix</b>
<b>Product ID</b>	Trinic Tec10 Admix
<b>Recommended Use</b>	Concrete Admixture Powder
<b>Contact Manufacturer</b>	Trinic, LLC 40 Grosset Drive Suite 200 Kirkwood, NY 13795 United States  Email: <a href="mailto:info@trinic.us">info@trinic.us</a> Phone: 1-800-475-1975
<b>Emergency Telephone Number</b>	CHEMTREC (24 hrs. - for spill, leak or transportation incidents): US: 703-741-5500 / account # 631297

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## 2. HAZARDS IDENTIFICATION

**Classification:** Irritant (skin and eye), Respiratory Tract irritant.

**Pictogram:**



**OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Potential Health Effects**

**Principle Routes of Exposure**

Inhalation.

**Acute Effects**

**Eyes**

Risk of serious damage to eyes

**Skin**

Prolonged or repeated contact may dry skin and cause irritation.

**Inhalation**

Irritating to respiratory system.

**Ingestion**

No known effect.

**Chronic Effects**

Prolonged exposure may cause chronic effects.

See Section 11 for additional Toxicological information.

**Main Symptoms**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Aggravated Medical Conditions**

Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.

**Potential Environmental Effects**

See Section 12 for additional Ecological information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Type**

Preparation

**Hazardous components**

Component	CAS-No	Weight %	OSHA PEL	ACGIH TLV
Modified silica	--	30-60	TWA: 6 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Petroleum distillates, solvent-refined light paraffinic	64741-89-5	10-30	5 mg/m <sup>3</sup> , oil mist	TWA: 5 mg/m <sup>3</sup> , oil mist STEL: 10 mg/m <sup>3</sup>
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	10-30	5 mg/m <sup>3</sup> , oil mist	TWA: 5 mg/m <sup>3</sup> , oil mist STEL: 10 mg/m <sup>3</sup>
Triethylene glycol, monobutyl ether	143-22-6	30-60	-	-
Exact amounts withheld/ trade secret.				

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## 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off with soap and water.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water
<b>Notes to Physician</b>	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Hazardous Combustion Products</b>	As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

### Explosion Data

<b>Sensitivity to mechanical impact</b>	No
<b>Sensitivity to static discharge</b>	Yes
<b>Explosion Limits</b>	May form explosive dust-air mixture
<b>Upper</b>	30 g/m <sup>3</sup>
<b>Lower</b>	2-6 kg/m <sup>3</sup>

### Specific Hazards Arising from the Chemical

Potential dust explosion hazard. Static electricity may accumulate and ignite suspended dust. Ground/Bond container and receiving equipment.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**NEPA** Health 1 Flammability 1 Instability 0

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid dust formation. Remove all sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Ensure adequate ventilation. Avoid breathing dust. Avoid exceeding of the given occupational exposure limits (see section 8).
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so
<b>Methods for Containment</b>	Sweep up or vacuum up spillage and collect in suitable container for disposal.

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## Methods for Clean-up

Take precautionary measures against static discharges. Take up mechanically and collect in suitable container for disposal.

## 7. HANDLING AND STORAGE

### Handling

Handle in accordance with good industrial hygiene and safety practice. Fine dust dispersed in air may ignite. Take precautionary measures against static discharges. Avoid dust formation in confined areas. Do not breathe vapor/dust.

### Storage

Keep container tightly closed. Avoid moisture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico OEL (TWA)
Modified silica	TWA: 10 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Petroleum distillates, solvent-refined light paraffinic	TWA: 5 mg/m <sup>3</sup> , oil mist STEL: 10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> , oil mist	-	-
Petroleum distillates, solvent-refined heavy paraffinic	TWA: 5 mg/m <sup>3</sup> , oil mist STEL: 10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> , oil mist	-	-
Triethylene glycol, monobutyl ether	-	-	-	-

### Engineering Controls

Ensure adequate ventilation, especially in confined areas

### Personal Protective Equipment

#### Eye/face Protection

Tightly fitting safety goggles

#### Skin Protection

Long sleeved clothing

#### Respiratory Protection

Respirator must be worn if exposed to dust. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

White

### Physical State

Powder

### Odor

Slight

### Odor Threshold

No information available

### pH Value

7.5

### Boiling Point/Range

No information available

### Flash Point

100°C

### Melting Point/Range

No information available

### Flammable Limits

No information available

### Specific Gravity

No information available

### Solubility (in H<sub>2</sub>O)

Insoluble

### Evaporation Rate

No information available

### Vapor Pressure, 20C/68F

No information available

### Vapor Density

No information available

### Density

0.41 g/cm<sup>3</sup> (DGF H II 1b)

### Explosive Properties

Product is not explosive, however, formation of explosive air/ dust mixtures are possible.

### VOC Content

No information available

### Viscosity

No information available

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## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	Dust formation. Temperatures above 500°C.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Silicon dioxide.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Modified silica	>10000 mg/kg (rat)	>5000 mg/kg (rabbit)	0.139 mg/l (rat), 4h
Petroleum distillates, solvent-refined light paraffinic	>3000 mg/kg (Rat)	-	-
Petroleum distillates, solvent-refined heavy paraffinic	>3000 mg/kg (Rat)	-	-
Triethylene glycol, monobutyl ether	5300 mg/kg ( Rat )	-	-

### Chronic Toxicity

**Carcinogenicity** There are no known carcinogenic chemicals in this product (IARC, ACGIH, US OSHA, US NTP).

Component	ACGIH	IARC	NTP	OSHA
Modified silica	-	-	-	-
Petroleum distillates, solvent-refined light paraffinic	-	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-	-	-
Triethylene glycol, monobutyl ether	-	-	-	-

<b>Irritation</b>	Respiratory irritation.
<b>Sensitization</b>	No known effect
<b>Neurological Effects</b>	Not available
<b>Mutagenic Effects</b>	Contains no ingredient listed as a mutagen

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<b>Reproductive Effects</b>	Not available
<b>Developmental Effects</b>	No information available
<b>Teratogenic Effects</b>	Not available
<b>Target Organ Effects</b>	Not available

## 12. ECOLOGICAL INFORMATION

### Eco toxicity

Information given is based on data on the components and the toxicology of similar products

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Modified silica	-	LC50: >10000 96h (Brachydanio rerio)	-	EC50: >10000 24h
Petroleum distillates, solvent-refined light paraffinic	-	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-	-	-
Triethylene glycol, monobutyl ether	-	-	-	EC50 > 500 mg/L 48 h

<b>Persistence/Degradability</b>	No information available
<b>Bioaccumulation/ Accumulation</b>	No information available
<b>Mobility in Environmental Media</b>	Is not likely mobile in the environment due its low water solubility .

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Dispose of in accordance with local regulations
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal
<b>US EPA Waste Number</b>	Product, as sold, is not a US EPA RCRA Waste.

## 14. TRANSPORT INFORMATION

<b>DOT</b>	Not applicable
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## 14. TRANSPORT INFORMATION

## 15. REGULATORY INFORMATION

### International Inventories

All of the components in the product are on or exempt from the following Inventory lists:

US TSCA	Complies
Canada DSL	Complies
EU EINECS/ELINCS	Complies
Japan ENCS	Complies
Korea KECL	Complies
China IECSC	Complies
Philippines PICCS	Complies
Australia AICS	Complies

### USA

#### Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

##### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (40 CFR 61)

This product does not contain any HAPs.

##### Clean Water Act

Discharge into the environment must be avoided.

##### SARA 302/CERCLA 355 Extremely Hazardous Substances:

Does not contain regulated substances.

### US State Regulations

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## California Proposition 65

WARNING! This product contains a chemical known in the State of California to cause cancer. WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. Impurities (<0.1%).

## U.S. State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island	California Proposition 65
Modified silica	X	-	X	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-	-	-	-	-
Petroleum distillates, solvent-refined light paraffinic	X	-	-	-	-	-
Polyalkylene glycol	-	-	-	-	-	-
2,6-Di-tert-butyl-p-cresol	X	X	X	-	X	-
Polyalkylene glycol	-	-	-	-	-	-
Ethylene oxide	X	X	X	X	X	Carcinogen Female Reproductive
Propylene oxide	X	X	X	X	X	Carcinogen

## International Regulations

### Mexico

#### Mexico - Grade

Slight risk, Grade 1

Component	Mexico Carcinogen Status	Mexico Exposure Limits
Modified silica	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-
Petroleum distillates, solvent-refined light paraffinic	-	-
Polyalkylene glycol	-	-
Polyalkylene glycol	-	-

### Canada

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

#### WHMIS Hazard Class

Non-controlled

## Canada Disclosure Lists

This product contains components on the following lists:

Component	Weight %	Ingredient Disclosure List (IDL)
Modified silica	30-60	-
Petroleum distillates, solvent-refined heavy paraffinic	10-30	-
Petroleum distillates, solvent-refined light paraffinic	10-30	-
Polyalkylene glycol	10-30	-



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Polyalkylene glycol

1-10

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## 16. OTHER INFORMATION

**Preparation Date** 1/12/12  
**Revision Date** 08/12/15  
**Revision Summary** SDS requirements

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Safety Data Sheet**