

Sid Harvey item# 981

**SDS# 981, 981B**

**Date: February 12, 2018**

SDS Z1077

**Total Pages: 4**

## Super Change™

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product Name:** Super Change™

**Catalog Number:** 981, 981B

**Product Class:** HVAC/R refrigerant additive

**Manufactured by:** DiversiTech Corporation  
6650 Sugarloaf Parkway  
Duluth, GA, 30097

**Information Phone No.:** 1+678.542.3600

**EMERGENCY Phone No.:** 1 800.255.3924 Chem-Tel (Chemical Emergencies)

### SECTION 2. HAZARDOUS IDENTIFICATION

#### Hazards Classification

Flammable liquids: Category 3

Skin corrosion/irritation: Category 3

#### Label Elements:



**Signal Word:** Warning

#### Hazard Statement(s):

Flammable liquid and vapor

Causes mild skin irritation

#### Precautionary Statement(s):

Wear protective gloves and eye protection.

If skin irritation occurs: Get medical attention.

#### Other hazards:

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Composition, wt%	GHS Classification
Triethylorthoformate	122-51-0	10-30	Not classified
N-phenyl-1,1,3,3-tetramethylbutyl-naphthalen-1-amine	68259-36-9	1-5	Not classified

Actual concentration or concentration ranges are withheld as a trade secret.  
The remaining components of this product are not classified as hazardous under WHMIS 2015.

## Super Change™

### SECTION 4. FIRST AID MEASURES

#### Description of first aid measures

**Inhalation:** Remove person to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

**Eye Contact:** Remove contact lenses and immediately flush eyes with copious amounts of water for at least 15 minutes.

**Skin Contact:** Immediately wash skin with soap and copious amounts of water. If irritation persists, obtain medical attention.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Acute and Delayed Symptoms:** None known

**Special Treatment Needed:** Only as above.

### SECTION 5. FIREFIGHTING MEASURES

#### Extinguishing media

DO NOT USE WATER. Use carbon dioxide, dry chemical powder or foam.

#### Special hazards arising from the substance or mixture

Carbon dioxide and monoxide form under fire conditions.

#### Advice for firefighters

Wear self contained breathing apparatus for fire fighting as necessary. Use water spray to cool unopened containers.

Vapor may travel considerable distance to source of ignition and flash back.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields. Avoid breathing vapors. Ensure adequate ventilation.

#### Environmental precautions

Shut off all sources of ignition. Vapors are heavier than air and can accumulate. Avoid runoff to sewers and waterways.

#### Methods and materials for containment and cleaning up

Cover spill with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools. Treat or dispose of waste material in accordance with all local, state, provincial, and national requirements.

### SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid breathing vapor. Keep away from heat, sparks, and open flame. No smoking.

**Conditions for Safe Storage:** Keep container closed. Keep away from heat, sparks, and open flame. This product is sensitive to moisture.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters

This product contains no components with occupational exposure limits.

#### Engineering Controls

Use non-sparking tools. Ensure good ventilation.

#### Protective Equipment

Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields.

#### Hygiene

Handle in accordance with good industrial hygiene and safety practices. Wash hands after use.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear red liquid

**Odor:** Ethereal

**Odor Threshold:** No data available

**pH @ 25°C:** No data available

**Freezing point:** No data available

**Boiling Point:** No data available

**Flash Point:** 35°C (95°F)

**Evaporation Rate (Water = 1):** No data available

**Flammable or Explosive Limits:** No data available

**Vapor pressure (mm Hg):** No data available

**Vapor Density (Air = 1):** No data available

**Specific Gravity:** 0.93 @ 25°C (77°F)

**Solubility in water:** No data available

**Octanol/Water Partition Coefficient:** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Reacts with water.

**Chemical Stability:** Stable under conditions of recommended storage.

**Possibility of Hazardous Reactions:** None likely.

**Conditions to Avoid:** Heat, sparks, and open flame

**Incompatible Materials:** Moisture, acids, strong oxidizing agents

**Hazardous Decomposition Products:** In combustion, forms carbon dioxide / monoxide.

### SECTION 11. TOXICOLOGICAL INFORMATION

The toxicological properties of this product have not been investigated. Information for the triethylorthoformate component is included below.

**Acute toxicity:**

Triethylorthoformate: LD50 Oral - rat - 7060 mg/kg  
LD50 Dermal - rabbit - 17820 mg/kg  
LD50 Dermal - guinea pig - >8910 mg/kg

**Skin corrosion/irritation:** Triethylorthoformate: Skin - rabbit - Mild skin irritation - 24 h

**Serious eye damage/irritation**

Triethylorthoformate: Eyes - rabbit - No eye irritation - OECD Test Guideline 405

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** No components of this product are listed as carcinogens by IARC or ACGIH.

**Reproductive toxicity:** No data available

**Specific target organ toxicity:** No data available

**Aspiration hazard:** No data available

**Potential Health Effects:**

Inhalation: May be harmful if inhaled.

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

### SECTION 12. ECOLOGICAL INFORMATION

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Product

Contact a licensed professional waste disposal service to dispose of this material. Observe all local, state, provincial and national requirements.

#### Contaminated packaging

Dispose of as product.

### SECTION 14. TRANSPORTATION INFORMATION

#### TDG/IATA/IACO/IMDG

**Shipping Name:** FLAMMABLE LIQUID, N.O.S. (ethyl orthoformate)

**UN #:** 1993

**Class:** 3

**Packing Group:** III

### SECTION 15. REGULATORY INFORMATION

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:** SARA Section 311/312 (40 CFR 370)

**Immediate Hazard:** Yes, Flammable liquids category 3

**Delayed Hazard:** Yes, Skin irritation category 3

**Fire Hazard:** Yes, Category 3

**Pressure Hazard:** No

**Reactivity Hazard:** Low risk for hazardous reactions

#### SARA Section 313 (40 CFR 372) component

This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR 372.

#### State Regulations - California Proposition 65:

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under at levels which would be subject to the proposition.

#### Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory.

#### International Regulations

##### Canadian Environmental Protection Act (DSL)

All products are on the Canadian Domestic Substance List (DSL)

##### Canadian Workplace Hazardous Materials Information System (WHMIS)

Flammable liquids: Category 3

Skin corrosion/irritation/irritation: Category 3

### SECTION 16. OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

#### Notes to this revision

This version 3.2 (February 12, 2018) has been updated from version 3.1 of September 13, 2017 and conforms to the requirements of WHMIS 2015.

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