

MasterCare™

Super Change™ Refrigerant Retrofit Cartridge

SAFETY DATA SHEET

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

Product Name: Super Change™ Refrigerant Retrofit Cartridge

Catalog Number: 991-MC

Product Class: HVAC/R Refrigerant Additive

Manufactured by: DiversiTech Corporation
3039 Premiere Parkway
Duluth, GA 30097

Information Phone #: 1.678.542.3600

EMERGENCY Phone #: 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 or rash 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.

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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 stream. Use carbon dioxide, dry chemical powder or foam..

Special hazards arising from the product

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 Material for Containment and Clean-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.

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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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear red liquid

Solubility in water: No data available

Odor: Ethereal

Octanol/Water Partition Coefficient: No data available

Odor Threshold: No data available

Autoignition Temperature: No data available

pH @ 25°C: No data available

Decomposition Temperature: No data available

Freezing point: No data available

Viscosity: 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)

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

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SECTION 11. TOXICOLOGICAL INFORMATION cont.

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

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

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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 sensitization 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: Category 3

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

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.