

SDS# 980, 98084KIT, 98087KIT
Date: February 12, 2018

Total Pages: 4

Flash™ Detect

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

Product Name: FLASH™ DETECT All Systems up to 5 tons
Catalog Number: Pro-Green
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):
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves and eye protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation occurs: Get medical attention.
In case of fire: Use carbon dioxide, dry chemical or foam to extinguish.

Dispose of contents/container in accordance with local/regional/national regulations.

Other hazards:
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Composition, wt%	GHS Classification
Triethylorthoformate	122-51-0	50	Not classified

Remaining components of this product are not classified as hazardous under WHMIS 2015.

DOC20650
DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA 30097

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SECTION 4. FIRST AID MEASURES

Description of first aid measures

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.

Ingestion: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Acute and Delayed Symptoms: None known

Special Treatment Needed: Only as above.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media: Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special hazards arising from the substance or mixture:

In combustion carbon monoxide, carbon dioxide, fumes and smoke will be produced.

Collect contaminated fire fighting water separately. Do not allow to enter the sewage system.

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

Advice for firefighters: Self-contained breathing apparatus and protective clothing as required.

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. Since the product contains a concentrated colourant, it is advisable to take extra care to avoid contact with the product.

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 and transport outdoors. Ventilate area and wash spill site after material pickup is complete. 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. Avoid contact with eyes, skin and clothing. Since the product contains a concentrated colourant, it is advisable to take extra care to avoid contact with the product. Avoid prolonged or repeated exposure. Use spark-proof tools. No smoking.

Conditions for Safe Storage: Keep away from heat, sparks and open flame. In the opened canister, this product is sensitive to moisture. Store in a cool dry area.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

None of the components of this product have listed occupational exposure limits.

Engineering Controls

General room ventilation is expected to be sufficient for use of the product. Use non-sparking tools.

Protective Equipment

Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields. The product contains a concentrated colourant and may stain skin and other articles.

Hygiene

Wash hands thoroughly after handling.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear green liquid

Odor: Mild 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

Density: 0.97 g/cm³ @ 20°C (68°F)

Solubility in water: No data available

Octanol/Water Partition Coefficient: No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Reacts with water.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Unlikely

Conditions to Avoid: Moisture, heat, flames and sparks

Incompatible Materials: Water (except in application), acids, strong oxidizing agents.

Hazardous Decomposition Products: In the case of a fire, carbon monoxide, carbon dioxide, fumes and smoke will be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity: Oral LD50 rat: Triethylorthoformate: 7060 mg/kg

Skin LD50 rabbit: Triethylorthoformate: 20 ml/kg

Skin corrosion/irritation: rabbit; Triethylorthoformate – mild irritation – 24 h

Serious eye damage/irritation: rabbit; Triethylorthoformate – no irritation

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: None of the components of this product is identified as a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity: No data available

Aspiration hazard: No data available

SECTION 12. ECOLOGICAL INFORMATION

Aquatic 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.

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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, Skin corrosion/irritation 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 4.0 (February 12, 2018) has been updated from the previous version 3.1 of May 6, 2015 and conforms to the requirements of WHMIS 2015.

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.