

SDS# 992, 993KIT
Date: May 30, 2018

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Boost Juice[®] / Boost Juice[®] Inject

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

Product Name: Boost Juice[®] · Boost Juice[®] Inject
Catalog Number: 992, 993KIT
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
Skin Sensitization: Category 1B
Hazardous to the aquatic environment – Short Term - Acute 3

Label Elements:



Signal Word: Warning

Hazard Statement(s):

Flammable liquid and vapor
Causes mild skin irritation
May cause an allergic skin reaction
Harmful to aquatic life

Precautionary Statement(s):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves and eye protection.
Avoid breathing mist, vapor or spray.
Contaminated clothing should not be allowed out of the workplace.
Avoid release to the environment.

In case of fire: Do NOT use water stream. Use carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
If skin irritation or rash occurs: Get medical attention.
Specific treatments: see first aid measures on this label.
Take off contaminated clothing and wash it before reuse.

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

Other hazards:

None known.

DOC144581
DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA 30097

Chemical Emergency: P 800-255-392
P 678.542.3600
F 678.542.3700

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Composition, wt%
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Triethylorthoformate	122-51-0	10-30
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*1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-

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.

SECTION 4. FIRST AID MEASURES

Inhalation

Remove person to fresh air. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

Ingestion

Do NOT induce vomiting. Wash out mouth with water provided person is conscious. Call a physician.

Skin Contact

Immediately wash skin with soap and plenty of water. Remove clothing. If irritation persists or if contact has been prolonged, obtain medical attention. Wash contaminated clothing before reuse.

Eye Contact

Remove contact lenses and immediately flush eyes with copious amounts of water for at least 15 minutes. Obtain medical attention.

Acute and Delayed Symptoms

Symptoms of overexposure may include skin and eye irritation, irritation of mucous membranes as well as nausea and diarrhea.

Special Treatment Needed

Get medical treatment.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media: Do NOT use water stream. Use carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.

Special hazards arising from the product

Vapors from this product may travel or be moved by air currents and ignited by pilot light or other flames and ignition sources at locations distant from product handling point. Burning produces carbon monoxide and dioxide.

Advice for firefighters: Avoid breathing fumes or vapors. For larger fires, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures

Clear the area of unnecessary personnel. Shut off all sources of ignition. No smoking.

Wear chemical-resistant gloves and chemical safety goggles. Ensure adequate ventilation. Avoid breathing fumes or vapors.

Environmental Precautions

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.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing vapor. Wear chemical-resistant gloves and chemical safety goggles. Avoid contact with eyes, skin, and clothing.

Conditions for Safe Storage

This product should be stored and handled in closed equipment to keep vapors in and moisture out. When this is done, general room ventilation is expected to be satisfactory. Keep away from sparks, open flame or other sources of ignition.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

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

Engineering Controls

Have eyewash available. General room ventilation is expected to be sufficient for use of the product.

Protective Equipment

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

Hygiene

Practice good industrial hygiene. Wash hands thoroughly after handling. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear orange liquid

Odor: Ethereal

Odor Threshold: No data available

pH: No data available

Melting Point/Freezing Point: No data available

Initial Boiling Point: No data available

Flash Point: 40°C (104°F)

Evaporation Rate (Water = 1): No data available

Flammable or Explosive Limits: No data available

Vapor pressure: No data available

Vapor Density: No data available

Density: 0.94 g/cm³ @ 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 recommended storage conditions.

Possibility of Hazardous Reactions: Unlikely

Conditions to Avoid: Moisture, heat, flames and sparks

Incompatible Materials: Acids, strong oxidizing agents

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

SECTION 11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

Inhalation: Could be harmful if inhaled.

Ingestion: Not a likely route of exposure. Could be harmful if swallowed.

Skin Contact: Causes mild skin irritation. May cause an allergic skin reaction.

Eye Contact: May cause eye irritation

Symptoms related to physical, chemical and toxicological characteristics

Inhalation: May cause irritation of nose, mucous membranes and throat if exposed to vapors or mists.

Ingestion: May cause gastrointestinal irritation, nausea and diarrhea.

Skin Contact: Irritation may produce redness of skin. Repeated or prolonged exposure may cause an allergic skin reaction.

Eye Contact: Symptoms may include watering or redness.

Delayed and immediate effects

No additional information

Chronic effects from short-term and long-term exposure

No additional information

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SECTION 11. TOXICOLOGICAL INFORMATION (cont.)

Numerical measures of toxicity

The toxicological properties of this product have not been investigated. Information for hazardous components is provided below.

Acute toxicity

Oral LD50 rat:	Triethylorthoformate: 7060 mg/kg N-alkylated benzotriazole: 3313 mg/kg
Skin LD50 rabbit:	Triethylorthoformate - 17820 mg/kg
Skin LD50 guinea pig:	Triethylorthoformate - >8910 mg/kg
Skin LD50 rat:	N-alkylated benzotriazole: >2000mg/kg

Skin corrosion/irritation

Rabbit:	Triethylorthoformate - slightly irritating N-alkylated benzotriazole - irritant
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Serious eye damage/irritation

Rabbit:	Triethylorthoformate - no irritation N-alkylated benzotriazole - non- irritant
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Skin Sensitization

Guinea pig	N-alkylated benzotriazole - caused skin sensitization
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Carcinogenicity

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

SECTION 12. ECOLOGICAL INFORMATION

No data are available for the ecological effects of this product; information on some components is provided below.

Toxicity to fish:	Triethylorthoformate LC50 - 48 h Species: Leuciscus idus Result: 592 mg/l N-alkylated benzotriazole LC50 (96 h) Species: Brachydanio rerio Result: 1.3 mg/l
Toxicity to other organisms:	Triethylorthoformate EC50 - 48 h Species: Daphnia magna Result: 617 mg/l N-alkylated benzotriazole EC50 - 48 h Species: Daphnia magna Result: 2.05 mg/l

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SECTION 12. ECOLOGICAL INFORMATION (cont.)

Toxicity to algae: N-alkylated benzotriazole
EC50 - 72 h
Species: Desmodosmus subspicatus
Result: 0.976 mg/l

Persistence and degradability

Triethylorthoformate: Readily biodegradable.
N-alkylated benzotriazole: Not readily biodegradable.

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

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, Hazardous to the aquatic environment (Short term - Acute 3)

Delayed Hazard: Yes, Skin sensitization category 1B

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)

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SECTION 15. REGULATORY INFORMATION (cont.)

Canadian Workplace Hazardous Materials Information System (WHMIS)

Flammable liquids: Category 3

Skin corrosion/Irritation: Category 3

Skin Sensitization: Category 1B

Hazardous to the aquatic environment - Short Term - Acute 3

SECTION 16. OTHER INFORMATION

Notes to this revision

This version 1.1 replaces an earlier SDS version 1.0 and meets 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.