

# Flash™ Detect

## SECTION 1. IDENTIFICATION

**PRODUCT IDENTIFIER:**

Flash™ Detect

**OTHER MEANS OF IDENTIFICATION:**

980; 98084KIT; 98087KIT; 980-FC

**RECOMMENDED USE OF THE CHEMICAL:**

Please see label for instruction

**RESTRICTIONS ON USE:**

None known

**MANUFACTURED BY:**DiversiTech Corporation  
3039 Premiere Parkway  
Suite 600  
Duluth, GA 30097**INFORMATION PHONE #:** 1 800.995.2222**EMERGENCY PHONE #:** 1 800.255.3924 Chem-Tel  
(Chemical Emergencies)

## SECTION 2. HAZARD IDENTIFICATION

**CLASSIFICATION OF THE CHEMICAL:**

Flammable liquid, category 3

**HAZARD SYMBOL(S):****SIGNAL WORD:** Warning**HAZARD STATEMENT(S)**

H226 Flammable liquid and vapor

**PRECAUTIONARY STATEMENT(S)**

- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P235 Keep cool.
- P240 Ground/Bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, lighting, and other equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P282 Wear protective gloves and eye protection.
- P403 Store in a well-ventilated place.
- P501 Dispose of container in accordance with local regulations.

**RESPONSE**

- P303+361+353 **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water.
- P370+378 **IN CASE OF FIRE:** Use carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.

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HAZARD(S) NOT OTHERWISE CLASSIFIED:  
None known

0% of the chemical consists of ingredient(s) of unknown acute toxicity.

**NOTE:**

Labeling elements found on this SDS may be different from labeling elements found on the label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency. Please contact the responsible party in Section 1 if you have any questions.

## SECTION 3. INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	COMPOSITION, wt%	GHS CLASSIFICATION(S)
Triethyl orthoformate	122-51-0	50%	Flammable liquid, category 3

**TRADE SECRET CLAIM:**

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions.

**NOTE:**

This product may contain other ingredients that are not required to be disclosed on this safety data sheet or product label in accordance with 19 CFR §1910.1200. Any ingredient not listed on either the SDS or label is not considered hazardous to health and shouldn't pose a risk to the user.

## SECTION 4. FIRST AID MEASURES

**GENERAL FIRST AID MEASURES:**

If medical attention is required due to exposure then be sure to take product label or safety data sheet when seeking medical care.

**MOST IMPORTANT SYMPTOMS:**

None known.

**IF INHALED:**

Move person to fresh air and keep at a comfortable position for breathing. Administer artificial respiration if person is not breathing.

**IF ON SKIN:**

Wash with soap and water. Take off contaminated clothing and wash it before reuse.

**IF IN EYES:**

Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**IF SWALLOWED:**

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth with water.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION:**

Not anticipated to require immediate medical attention.

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## SECTION 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:**

Do NOT use water. Use carbon dioxide, dry chemical, or foam to extinguish.

**SPECIFIC HAZARDS:**

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.

**SPECIAL PROTECTIVE EQUIPMENT:**

Not determined.

**UNSUITABLE EXTINGUISHING MEDIA:**

None known.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon Monoxide, Carbon Dioxide, and Nitrogen Oxides.

**PRECAUTIONS FOR FIRE-FIGHTERS:**

Avoid breathing fumes or vapors. For larger fires, wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:**

Remove non-emergency personnel from the area in an orderly fashion.

**EMERGENCY PROCEDURE(S):**

Cover drains to prevent spill from entering waterways. Evacuate non-emergency personnel from the area. Shut off all sources of ignition.

**REFERENCES:**

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

**PROTECTIVE EQUIPMENT:**

Use appropriate chemical-resistant gloves and eye protection.

**METHODS FOR CONTAINMENT:**

Cover drains and ventilate area to prevent vapor build-up.

**METHODS FOR 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:**

Keep away from all ignition sources. Do not smoke while handling. Avoid breathing vapor. Wear chemical-resistant gloves and chemical safety goggles. Avoid contact with eyes, skin, and clothing.

**STORAGE INCOMPATIBILITIES:**

None known.

**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

INGREDIENT	CAS No.	PEL	AGCIH	NIOSH
Triethyl orthoformate	122-51-0	n/a	n/a	n/a

**GENERAL NOTE:**

Practice good industrial hygiene. Wash hands after handling and use.

**APPROPRIATE ENGINEERING CONTROLS:**

Ensure mechanical ventilation.

**EYE/FACE PROTECTION:**

Eye protection is recommended. Wear goggles or another form of chemically resistant eye protection.

**SKIN PROTECTION:**

Wear gloves suitable for chemical protection.

**RESPIRATORY PROTECTION:**

No anticipated protective equipment is required.

**ENVIRONMENTAL PROTECTION:**

No anticipated protective equipment is required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear green liquid	ODOR:	Mild ethereal.
pH:	Not determined.	ODOR THRESHOLD:	Not determined.
MELTING POINT:	Not determined.	BOILING POINT:	Not determined.
FLASHPOINT:	35°C (95°F).	EVAPORATION RATE:	Not determined.
FLAMMABILITY:	Not determined.	UPPER EXPLOSIVE %:	Not determined.
VAPOR PRESSURE:	Not determined.	LOWER EXPLOSIVE %:	Not determined.
VAPOR DENSITY:	Not determined.	RELATIVE DENSITY:	0.97 g/cm <sup>3</sup> @ 20°C (68°F)
SOLUBILITY:	Not determined.	PARTITION COEFFICIENT:	Not determined.
AUTO-IGNITION:	Not determined.	DECOMPOSITION TEMP:	Not determined.
VISCOSITY:	Not determined.		

## SECTION 10. STABILITY AND REACTIVITY

**REACTIVITY:**

Reacts with water.

**CHEMICAL STABILITY:**

Chemical is anticipated to be stable in normal storage conditions.

**HAZARDOUS REACTIONS:**

None known.

**CONDITIONS TO AVOID:**

Moisture, heat, flames and sparks.

**INCOMPATIBLE MATERIALS:**

Incompatible with alkali metals, alkaline earth metals, powdered metals and powdered metal salts in general; includes incompatibility with magnesium, zinc, sodium, potassium and aluminum. Incompatibility is more severe if the metal is present as a dust or powder or has freshly exposed surfaces.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Hazardous decomposition products during a fire include carbon dioxide / monoxide.

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## SECTION 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY ESTIMATES:**

Oral – Contains no ingredient(s) considered toxic.  
Dermal – Contains no ingredient(s) considered toxic.  
Inhalation – Contains no ingredient(s) considered toxic.

**SENSITIZATION:**

Respiratory: Contains no ingredient(s) applicable to this category.  
Skin: Contains no ingredient(s) applicable to this category.

**REPRODUCTIVE TOXICITY:**

Contains no ingredient(s) applicable to this category.

**ASPIRATION HAZARD:**

Contains no ingredient(s) applicable to this category.

**SYMPTOMS RELATED TO CHARACTERISTICS:**

Not determined.

**NATIONAL TOXICOLOGY PROGRAM LISTING:**

No ingredients listed.

**SKIN CORROSION/IRRITATION:**

Contains no ingredient(s) applicable to this category.

**EYE DAMAGE/IRRITATION:**

Contains no ingredient(s) applicable to this category.

**GERM CELL MUTAGENICITY:**

Contains no ingredient(s) applicable to this category.

**CARCINOGENICITY:**

Contains no ingredient(s) applicable to this category.

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:**

Contains no ingredient(s) applicable to this category.

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:**

Contains no ingredient(s) applicable to this category.

**DELAYED AND IMMEDIATE EFFECT FROM SHORT- AND LONG-TERM EXPOSURE:**

Not determined.

**INTERNATIONAL AGENCY FOR REACH ON CANCER LISTING:**

No ingredients listed.

## SECTION 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:**

Algae – Contains no ingredient(s) considered toxic.  
Fish – Contains no ingredient(s) considered toxic.  
Crustacea – Contains no ingredient(s) considered toxic.

**MOBILITY IN SOIL:**

Not determined.

**PERSISTENCE AND DEGRADABILITY:**

Not determined.

**BIOACCUMULATIVE POTENTIAL:**

Not determined.

**OTHER ADVERSE EFFECTS:**

None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

**DISPOSAL OF EMPTY CONTAINERS:**

Please recycle container with a licensed recycling company.

**DISPOSAL OF FULL OR PARTIALLY FULL CONTAINERS:**

Dispose in accordance with all local regulations. Contact a licensed waste management company for questions on disposal procedures.

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## SECTION 14. TRANSPORT INFORMATION

HAZARD PLACARD:

UN NUMBER: UN1993  
LTD QTY: <5 LUN PROPER SHIPPING NAME: Flammable Liquid,  
n. o. s.

HAZARD CLASS: 3

PACKAGING GROUP: III

ENVIRONMENTAL HAZARD: No.

TRANSPORT IN BULK: Not determined.

SPECIAL PRECAUTIONS: Do not ship with  
excessive weight on  
top. Keep in original  
containers.

## SECTION 15. REGULATORY INFORMATION

SARA:

311 – Triethylorthoformate.

312 – Triethylorthoformate.

313 – No applicable ingredient(s).

RIGHT-TO-KNOW:

Triethylorthoformate

TSCA INVENTORY LIST:

Each ingredient is on the TSCA inventory list as  
ACTIVE.

CALIFORNIA:

Prop 65: No ingredient(s) listed.

ARB Designation: Not regulated.

VOC Limit: Not regulated.

HMIS®III: (higher numbers indicate higher risk)

Health, 0

Flammability, 3

Physical Hazard, 0

NFPA (higher numbers indicate higher risk)

Health, 0

Flammability, 3

Instability, 0

## SECTION 16. OTHER INFORMATION

REVISION: 2

REVISION DATE: March 23, 2021

REVISION PURPOSE:

Revision based on the new data in relation to formula.

GENERAL DISCLAIMER:

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.