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.

UNSUITABLE EXTINGUISHING MEDIA:
None known.

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.

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.

SPECIAL PROTECTIVE EQUIPMENT:
Not determined.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

PROTECTIVE EQUIPMENT:
Use appropriate chemical-resistant gloves and eye protection.

EMERGENCY PROCEDURE(S):
Cover drains to prevent spill from entering waterways. Evacuate non-emergency personnel from the area. Shut off all sources of ignition.

METHODS FOR CONTAINMENT:
Cover drains and ventilate area to prevent vapor build-up.

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

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.

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.

STORAGE INCOMPATABILITIES:
None known.

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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
pH:	Not determined.
MELTING POINT:	Not determined.
FLASHPOINT:	35°C (95°F).
FLAMMABILITY:	Not determined.
VAPOR PRESSURE:	Not determined.
VAPOR DENSITY:	Not determined.
SOLUBILITY:	Not determined.
AUTO-IGNITION:	Not determined.
VISCOSITY:	Not determined.

ODOR:	Mild ethereal.
ODOR THRESHOLD:	Not determined.
BOILING POINT:	Not determined.
EVAPORATION RATE:	Not determined.
UPPER EXPLOSIVE %:	Not determined.
LOWER EXPLOSIVE %:	Not determined.
RELATIVE DENSITY:	0.97 g/cm3 @ 20°C (68°F)
PARTITION COEFFICIENT:	Not determined.
DECOMPOSITION TEMP:	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 DEGRADEABILITY:
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 L

UN 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).

TSCA INVENTORY LIST:
Each ingredient is on the TSCA inventory list as ACTIVE.

HMIS®III: (higher numbers indicate higher risk)
Health, 0
Flammability, 3
Physical Hazard, 0

RIGHT-TO-KNOW:
Triethylorthoformate

CALIFORNIA:
Prop 65: No ingredient(s) listed.
ARB Designation: Not regulated.
VOC Limit: Not regulated.

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.