

ETI 7100

SAFETY DATA SHEET

Preparation Date: May 1, 2024

1. Company Identification

Product Name: ***ETI 7100*** Fluorinated Solvent
Product Description: Non-flammable solvent
Product General Use: Industrial use solvent for cleaning and coating; heat transfer fluid and single phase immersion cooling. **INDUSTRIAL USE ONLY. NOT FOR CONSUMER SALE OR USE.**
Manufacturer: Enviro Tech International, Inc.
1800 N. 25th Avenue
Melrose Park, IL, 60160
www.envirotechint.com
Emergency Contact: Velocity EHS 24-HR EMERGENCY CONTACT U.S. & Canada,(800) 255-3924 - INTERNATIONAL CALLS: +01-813-248-0585. Non-Emergency (708) 344-6641 Hours: Mon-Fri 8am-4pm CST

2. Hazards Identification

Emergency Overview

This product is non-flammable per DOT and OSHA regulations.

Signal Word: Not applicable

Hazard Statements: Not applicable

Pictogram: Not applicable

Prevention

P103 Read label before use.
P102 Keep out of reach of children.
P202 Do not handle until all safety precautions have been read and understood.
P233 Keep container tightly closed.
P260 Do not breathe vapors.
P262 Do not get in eyes, on skin or clothing
P270 Do not eat, drink or smoke when using this product
P271 Use in a well-ventilated area.
P273 Avoid release into the environment.
P280 Wash face, hands and any exposed skin thoroughly after handling.
P281 Use personal protective equipment as required.
P282 Wear Viton or Silvershield gloves.

Response

P308 + P313	IF EXPOSED or concerned: Get medical advice/attention
P305 + P351 + P338 + P337	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists, get medical advice/attention
P303 + P361 + P353 + P352	IF ON SKIN: remove immediately all contaminated clothing. Wash with plenty of soap and water.

P332 + P313	If skin irritation occurs, get medical advice/attention.
P304 + P340	IF INHALED: Remove individual to fresh air and keep at rest in a position comfortable for breathing.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P306 + P361+ P363	IF ON CLOTHING: remove all contaminated clothing immediately. Wash contaminated clothing before reuse
Storage & Disposal:	
P403	Store in a dry place. Store indoors.
P404 + P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with Federal, state and local regulations.

3. Composition and Ingredient Information

Methyl perfluoroisobutyl ether CAS: 163702-08-7 100% by weight

4. First Aid Measures

INHALATION	A small amount of inhalation does not require first aid. For a large amount of in halation, remove person to fresh air. Give oxygen if breathing is difficult. Apply CPR respiration if needed.
EYE	Flush eyes with water for at least 15 minutes. Seek emergency medical advice. Remove contact lenses and rinse for 15 minutes.
SKIN	Wash contaminated areas immediately with soap and water. Remove contaminated clothing and shoes. Seek medical advice.
INGESTION	Rinse mouth with warm water and seek medical attention. Do not induce vomiting.
NOTE TO PHYSICIAN	Treat symptomatically. No critical symptoms or effects.

5. Fire Fighting Measures

Flash Point:	None (See Section 9).
Extinguishing Media:	Extinguishing media should be chosen based on surrounding conditions.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Hazardous Combustion Products:	Extreme heat may lead to thermal decomposition or combustion which may liberate gaseous hydrogen fluoride (HF), carbonyl fluoride, carbon monoxide and carbon dioxide.
Special Fire Fighting Procedures:	Evacuated personnel to a safe area and isolate the scene of the accident. Remove all ignition sources. Put out the fire upwind. Appropriate protective equipment (including chemical protective gloves) should be worn for special equipment of firefighters. Wear chemical protective clothing if there is a risk of extensive contact with spilled products. When the fire-fighting conditions are bad and the product may undergo thermal decomposition, firefighters must wear self-contained positive pressure breathing apparatus and choose firefighting clothing that meets

relevant standards when they need to enter the confined space where the fire occurs. If the container in the fire is discolored or sounds from the safety relief device, it must be evacuated immediately. Avoid breathing fire vapors. Keep run-off water out of sewers and water sources. Dike for water control.

Protective Equipment: Use NIOSH/MSHA approved/equivalent self-contained breathing apparatus in positive pressure mode and full protective clothing must be worn in case of fire. Use water spray or fog to cool exposed equipment and containers.

6. Accidental Release Measures

Personal Precautions: Wear chemical protective clothing if there is a risk of extensive contact with spilled products. Cut off the source of leakage as much as possible. Eliminate all ignition sources. Ventilate enclosed areas. Avoid inhaling large amount of vapor. Do not walk through spilled material. Avoid direct contact with skin, eyes, and clothing. Avoid breathing mist, vapors, spray.

Environmental Precautions: Do not discharge into drains, water courses or onto the ground. Collect the spillage in a container. Clean up from the edge of the spill inward, and cover it with bentonite, vermiculite, or commercially available non-polar absorbent material. After fully absorbed, mix until dry. Collect as much spillage as possible. Place in a airtight container. avoid exposure to the sun. Seal the container. Dispose of collected materials in accordance with local/regional/national regulations. Ventilate the operating area with fresh air.

Spill Clean Up Methods: Provide ventilation and confine spill. Do not allow runoff to sewer or waterways. Dam and absorb spillage with sand, sawdust or other absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Reference to other Sections: For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and Storage

Handling: Open container carefully - contents may be under pressure. Avoid skin and eye contact. Use Viton or Silvershield gloves for extended protection. Nitrile, neoprene or butyl gloves offer less protection and should be used for splash protection only. Avoid inhalation of vapors and spray mists. Wear full face mask and NIOSH approved respirator with organic vapor respirator cartridge. Provide adequate ventilation. In use, may form flammable/explosive vapor-air mixture. Handling, storage and use procedures must be carefully monitored to avoid spills or leaks. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products may form.

Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Separate from oxidizing materials. Avoid exposure to the sun. Empty containers retain product residue and can be hazardous. Do not cut, weld, puncture or incinerate container.

8. Exposure Controls and Personal Protection

Exposure Limits No OSHA PEL or ACGIH TLV has been published for this product. AIHA TWA: 750 ppm

Respiratory Wear full face mask with NIOSH/MSHA approved/equivalent organic vapor respirator.

Clothing/gloves Wear approved gloves when handling this product. Use Viton or Silvershield gloves for extended protection. Nitrile, neoprene or butyl gloves offer less protection and should be used only for splash protection. **DO NOT** use natural rubber, cloth or synthetic material gloves when handling this product.

Eye Protection Wear goggles or full face mask.

Hygienic Practices Do not eat, drink or smoke while working with this product. Launder soiled clothes. Provide emergency eye bath and safety shower. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls Safety shower, eye wash stations, ventilation systems.

9. Physical Properties

Appearance: Colorless liquid.

Odor: Characteristic

pH Value: Not applicable.

Freezing Point: -135° C

Boiling Point: 59° C

Flash Point (Closed Cup): None (closed cup)

Lower Flammability Limit: N/A

Upper Flammability Limit: N/A

Evaporation Rate: 49 (BUOAC = 1)

Vapor Pressure: 202 mmHg (25° C)

Vapor Density: 8.6

Density: 1.5 g/ml

Specific Gravity: 1.5

Specific Heat: 1.409J g/K

Auto-ignition temperature: 405° C

Thermal Conductivity: 0.0644 Wm/k

Dielectric Strength: ≥28.1 kV (2.5 mm)

Dielectric Constant: 8.98 (1 MHz)

10. Stability and Reactivity

STABILITY Stable under normal conditions.

CONDITIONS TO AVOID None known

INCOMPATIBILITY Incompatible with strong acids, strong bases and strong oxidizing agents.

HAZARDOUS DECOMPOSITION Carbon monoxide; Carbon dioxide, Hydrogen fluoride, Perfluoroisobutylene; Toxic vapor, gas and particulates

HAZARDOUS POLYMERIZATION
REACTIVITY

Will not occur.
Organic Peroxide: No; Pyroforic: No; Water
Reactive: No

11. Toxicological Information

Carcinogenicity:

NTP No IARC No OSHA No

Acute Toxicity:

Acute dermal toxicity, LD ₅₀	Estimated > 5,000 mg/kg
Acute inhalation toxicity LC ₅₀	> 1,000 mg/l
Acute ingestion toxicity, LD ₅₀	> 5,000 mg/kg
Skin Corrosion/Irritation:	No irritation to rabbit skin
Serious Eye Damage/Eye Irritation:	No irritation to rabbit eyes
Respiratory Tract Sensitization:	Current data are insufficient for classification
Skin Sensitization:	Current data are insufficient for classification
Inhalation Hazard:	Current data are insufficient for classification
Germ Cell Mutagenicity:	Not mutagenic
Reproductive/Developmental Effects:	Not Classified
Specific Target Organ Toxicity:	Not Classified
Aspiration Hazard:	Not Classified

12. Ecological Information

Ecotoxicity:	Not acutely/chronically toxic to aquatic life by GHS criteria.
Persistence and Degradability:	No reference data are known or current data are insufficient for classification.
Potential Bioaccumulation:	No reference data are known or current data are insufficient for classification.
Mobility in Soil:	No reference data are known or current data are insufficient for classification.
Life cycle of environmental impacts:	No reference data are known or current data are insufficient for classification.

13. Disposal Considerations

Follow Federal, State and Local governmental regulations. DO NOT flush into sanitary sewer or waterway. Do not reuse empty container. Dispose of waste in licensed industrial waste disposal facilities or by incineration in a licensed waste incineration facility. Proper destruction may use additional fuel in the incineration process. Combustion products include HF. Equipment must be capable of handling halogenated materials.

14. Transportation Information

PROPER SHIPPING NAME : Not regulated for shipping pursuant to DOT, IATA and IMDG regulations.

The above transportation information is valid as of the date of publication of this SDS. Given that regulatory changes are made on an ongoing basis, ETI recommends checking new transportation regulations regularly.

15. Regulatory Information

USMCA	Does not comply.	
US TCSA	Listed and active.	
US RCRA	Not regulated.	
US HAP	Not Listed	
VOC	USA - Exempt	
SARA 302/304	None	
SARA 313	Not subject to reporting	
SARA 311/312	Hazardous Categorization	
	Acute Health Hazard:	No
	Chronic Health Hazard:	No
	Fire Hazard:	No
	Sudden Release of Pressure Hazard:	No
	Reactive Hazard:	No
CERCLA	Not Listed	
US Clean Water Act	This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act.	
US SNAP	Approved	
California Prop 65	Not Listed	

International:

EU EINECS	On or in compliance with the inventory
Australia AICS	On or in compliance with the inventory
Canada DSL	All components Listed
China IECSC	On or in compliance with the inventory.
Japan ENCS\MSHL	On or in compliance with the inventory
Korea KECI (ECL)	On or in compliance with the inventory
Philippine PICCS	On or in compliance with the inventory

16. Other Information

Each user of this product should study this SDS carefully and consult appropriate expertise as necessary to become aware of and understand the data contained in this SDS and any hazards that may be associated with this product. The information provided in this Safety Data Sheet relates only to the specific material designated herein. The user is responsible for determining the conditions of safe use of this product and for complying with all Federal, State and Local governmental laws and regulations concerning its use. The information contained herein is accurate to the best of our knowledge. Enviro Tech International, Inc. makes no warranty, express or implied, including the warranty of merchantability and fitness for a particular purpose, and assumes no liability or responsibility for the accuracy, completeness, timeliness or usefulness of this information. Enviro Tech International, Inc assumes no liability for any damages incurred, whether directly or indirectly, as a result of any errors, omissions or discrepancies in this information. Enviro Tech International, Inc. assumes no liability for reliance on this data and assumes no liability for damages related to the use or misuse of this product in your process or in combination with other substances.

NFPA Health 1	Flammability 1	Instability 0
HMIS Health 1	Flammability 1	Physical Hazards 0

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