

ETI 71IPA

SAFETY DATA SHEET

Preparation Date: May 1, 2024

1. Company Identification

Product Name: ***ETI 71IPA*** Fluorinated Solvent
Product Description: Non-flammable solvent Cleaning,
Product General Use: Industrial use solvent for cleaning, degreasing and drying and rinse agent for co-solvents. **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. In use, this product may form flammable/explosive vapor to air mixture.

Signal Word: Warning

Classification

| | |
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| Eye irritation | Category 2 |
| Specific target organ toxicity - single exposure | Category 3 |

Hazard Statements

H336 May cause drowsiness or dizziness.
H319 Causes serious eye irritation.

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.
P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing dust/fumes/gas/mist/vapors.
P262 Do not get in eyes, on skin or clothing
P264 Wash hands thoroughly after handling.
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.

Storage & Disposal

- P403 Store in a well-ventilated place.
P233 Keep container tightly closed.
P235 Keep cool.
P405 Store locked up.
P501 Dispose of contents and container to an approved waste disposal plant.

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

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|--------------------------------|------------------|-----------------|
| Methyl perfluoroisobutyl ether | CAS: 163702-08-7 | > 95% by weight |
| Isopropyl Alcohol | CAS: 67-63-0 | < 5% by weight |

4. First Aid Measures

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| 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).

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| 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), 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

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| 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 at temperatures not exceeding 38C/100F. Store away from strong bases and oxidizing agents. 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

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| Exposure Limits | Methyl perfluoroisobutyl ether | AIHA | 750 ppm |
| | Isopropyl Alcohol | ACGIH TLV | 200 ppm |
| Respiratory | Wear NIOSH/MSHA approved/equivalent organic vapor respirator if uncertain as to safe exposure level. | | |
| 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

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| Appearance: | Colorless liquid. |
| Odor: | Characteristic |
| pH Value: | Not applicable. |
| Freezing Point: | |
| Boiling Point: | |
| Flash Point (Closed Cup): | None |
| Lower Flammability Limit: | |
| Upper Flammability Limit: | |
| Evaporation Rate: | |
| Vapor Pressure: | |

Vapor Density:
Density:
Specific Gravity:
Specific Heat:
Auto-ignition temperature:
Thermal Conductivity:
Dielectric Strength:
Dielectric Constant:

10. Stability and Reactivity

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

11. Toxicological Information

Methyl perfluoroisobutyl ether

Carcinogenicity:

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|-----|----|------|----|------|----|
| NTP | No | IARC | No | OSHA | No |
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Acute Toxicity:

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| 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 |

Isopropyl Alcohol

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

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| Acute oral toxicity LD ₅₀ | 3,600 mg/kg [Mouse 4 hr]. |
| Acute dermal toxicity LD ₅₀ | 12,800 mg/kg [Rabbit 4 hr]. |
| Acute toxicity of the vapor LC ₅₀ | 16,000 8 hours [Rat 4 hr]. |

Carcinogenicity:

| | | | | | |
|-----|----|------|----|------|----|
| NTP | No | IARC | No | OSHA | No |
|-----|----|------|----|------|----|

Reproductive system
Female, May cause adverse reproductive /teratogenic effects (fertility) Detected in maternal

milk in human.

Development toxin Fetotoxicity, developmental abnormalities possible
May cause damage to the kidneys, liver, skin, central nervous system.
Skin: May cause mild skin irritation, and sensitization.
Eyes: Can cause eye irritation.

Inhalation: Breathing in small amounts of this material during normal handling is not likely to cause harmful effects. However, breathing large amounts may be harmful and may affect the respiratory system and mucous membranes (irritation), behavior and brain (Central nervous system depression - headache, dizziness, drowsiness, stupor, unconsciousness, coma and possible death), peripheral nerve and sensation, blood, urinary system, and liver.

Ingestion: Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Swallowing large amounts may cause gastrointestinal tract irritation with nausea, vomiting and diarrhea, abdominal pain.

12. Ecological Information

Methyl perfluoroisobutyl ether

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|--------------------------------------|--|
| 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. |

Isopropyl Alcohol

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| Ecotoxicity in water (LC50) | 100000 mg/l 96 hours [Fathead Minnow]. 64000 mg/l 96 hours [Fathead Minnow]. |
| BOD5 and COD: | Not available. |
| Biodegradation | Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise. The product itself and its products of degradation are not toxic. |

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

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| USMCA | Complies. |
| US TCSA | All compounds listed and active. |
| US RCRA | No compound regulated. |
| US HAP | No compound listed |
| VOC | USA - Exempt |
| SARA 302/304 | None |
| SARA 313 | Not subject to reporting iso proyl is reportable on its own. In a mixture???? |
| 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 | No compound listed |
| US Clean Water Act | This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act. |
| US SNAP | All compounds approved |
| California Prop 65 | No compound listed |
| Right to Know: | Isopropyl alcohol: Connecticut hazardous material survey; Illinois toxic substances disclosure to employee act; Lited: Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, New Jersey |

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.

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

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