

ETI 3283

SAFETY DATA SHEET

Preparation Date: June 15, 2024

1. Product and Company Identification

Product Name: ***ETI 3283***

Product Description: Fluorinated Engineering Fluid. **INDUSTRIAL USE ONLY. NOT FOR CONSUMER SALE OR USE.**

Product General Use: Fluorinated Engineering Fluid

Supplier: 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

Seek medical attention if you feel unwell.

Classification

Not classified as a hazardous substance

Signal Word: Not Applicable

Pictogram: Not Applicable

Hazard Statements: This product does not have the physical hazards covered by GHS.

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/hot surfaces.

P211 Do not spray on an open flame or other ignition source.

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 if required.

P282 Wear Viton or Silvershield gloves.

P284 Wear respiratory protection - for large spills or where ventilation is not adequate.

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 P303 + P361 + P353 + P352	If eye irritation persists, get medical advice/attention IF ON SKIN: remove immediately all contaminated clothing. Wash with plenty of soap and water.
P332 + P313 P304 + P340	If skin irritation occurs, get medical advice/attention. 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 + P404 + P233	Store indoors in a dry, 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

PERFLUORO COMPOUNDS C5-18 CAS# 86508-42-1 100% by weight
Specific components and/or amounts of components comprise Trade Secrets per 1920.1200(i)(1)

4. First Aid Measures

INHALATION	Remove person to fresh air. Give oxygen if breathing is difficult. Apply CPR respiration if individual is not breathing.
EYE	Flush eyes with water for at least 20 minutes. Seek emergency medical advice.
SKIN	Remove contaminated clothing and shoes. Wash contaminated areas immediately with soap and water. Seek medical advice.
INGESTION	Keep person warm and quiet. DO NOT induce vomiting without medical advice. Seek emergency medical advice. Rinse mouth with water.
NOTE TO PHYSICIAN	Treat symptomatically.

5. Fire Fighting Measures

Flash Point:	None (See Section 9)
LEL/UEL:	None detected.
Extinguishing Media:	Extinguishing media should be chosen based on surrounding conditions - use carbon dioxide, dry chemical powder, alcohol foam or polymer foam. Water may be effective for cooling but not extinguishing.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards:	It may release irritating and toxic smokes under high temperature or burning conditions. The sealed container may explode if heated.
Hazardous Combustion Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases/vapors such as gaseous hydrogen fluoride (HF), carbonyl fluoride, carbon monoxide and carbon dioxide. May form explosive mixtures with air.

Special Fire Fighting Procedures:	Cut off the source of any leakage as much as possible. Evacuate personnel to safe areas quickly. Keep people away from and upwind of spill/leak/fire. Stay away from low-lying areas. Use personal protective equipment and avoid breathing vapor, smoke, gas or dust. Ensure adequate ventilation. Remove all sources of ignition. Keep run-off water out of sewers and water sources. Dike for water control.
Protective Equipment:	NIOSH/MSHA approved/equivalent self-contained breathing apparatus in positive pressure mode and full protective clothing must be worn in case of fire. Remove containers containing substance from the scene of the accident when there is no danger. In the event of a major fire, use a remote control fire extinguisher to extinguish the fire. If it fails, evacuate the fire area and let it burn. Evacuate quickly if the safety valve of the container makes a noise or the container changes color. Keep away from tanks that are engulfed by fire. Use water spray or fog to cool exposed equipment and containers.

6. Accidental Release Measures

Personal Precautions:	Remove all sources of ignition. Cut off the source of any leakage as much as possible. Evacuate personnel to safe areas quickly. Keep people away from and upwind of spill/leak. Stay away from low-lying areas. Wear protective clothing as described in Section 8 of this Safety Data Sheet. Ventilate enclosed areas. Do not walk through spilled material. Avoid direct contact. Avoid contact with skin, eyes, and clothing. Avoid breathing mist, vapors, spray.
Environmental Precautions:	Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.
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:	Operators should be specially trained and strictly abide by the operating procedures. Handling, storage and use procedures must be carefully monitored to avoid spills or leaks. Contamination that does occur cannot be easily corrected. Keep away from fire and heat sources. Smoking is strictly prohibited. Prohibit eating or drinking while handling this product. Operation and disposal should be carried out in a place with local ventilation or comprehensive ventilation facilities. Open container carefully - contents may be under pressure. Avoid contact with eyes and skin. Use Viton or Silvershield gloves for extended protection. Nitrile,
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neoprene or butyl gloves offer less protection and should be used for splash protection only. Avoid breathing vapor, mist or dust. See Section 8 for personal protection measures.. Avoid contacting with incompatible materials if not for its intended purpose. See Section 10 (Stability and Reactivity) for incompatible substances. Wash hands and face thoroughly after the operation.

Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Separate from incompatible materials, food and food containers. See Section 10 for incompatible substances. Keep the container tightly closed. Keep away from fire, heat sources. Prevent exposure to the sun. The storage area should be equipped with emergency treatment equipment and suitable storage materials. Materials with different fire extinguishing methods should be stored separately.

8. Exposure Controls and Personal Protection

Exposure Limits: Worker exposure to all chemicals, including this product, should be kept as low as possible at all times. No OSHA PEL or ACGIH TLV has been published.

Respiratory: No protective equipment is necessary under normal conditions. Wear full face mask with NIOSH/MSHA approved/equivalent organic vapor respirator if there is a large spill or leak.

Clothing/Gloves: use standard protective clothing. 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.

Eye Protection: Wear goggles or full face mask for superior protection.

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

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

9. Physical Properties

Physical State:	Liquid
Appearance (Color):	Clear
Flammability (solid, gas):	Not Applicable
Flash point:	None
Auto-ignition temperature:	None detected
Upper/lower flammability/explosive limits:	None detected
Odor:	Characteristic
Odor threshold:	No data available
Vapor pressure:	290 Pa
Vapor density:	No data available
pH:	Not applicable
Relative density:	1.855 (20° C)
Melting point/freezing point:	-57° C
Solubility:	Not easily soluble in water
Initial boiling point and boiling range:	158 - 178° C
Partition coefficient: n-octanol/water:	No data available
Evaporation rate:	No data available
Decomposition temperature:	No data available

Viscosity: 2.2

10. Stability and Reactivity

Stability: Stable under normal conditions.
Conditions to Avoid: Avoid open flame, electric arc and other high energy ignition sources.
Incompatibility: No data available.
Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Reactivity: Contacting with incompatible substances can cause decomposition or other chemical reactions.

11. Toxicological Information

Carcinogenicity: **NTP - Not Listed** **IARC - Not Listed** **OSHA - Not Listed**

Acute Effects

LD ₅₀ oral - Rat (male & female):	No data available
LD ₅₀ dermal - Rat (male & female):	No data available
LC ₅₀ inhalation - Rat:	No data available
Maximization Test - Skin Contact:	No data available
Eyes:	No data available
Mutagenicity:	No data available
Reproductive & Developmental:	No data available
Fertility:	No data available
General Maternal Toxicity:	No data available
Repeated Dose Toxicity:	No data available

12. Ecological Information

Acute Toxicity to Fish:	No data available
Acute Toxicity to Aquatic Invertebrates:	No data available
Acute Toxicity to Aquatic Plants:	No data available
Toxicity to Bacteria:	No data available
Biodegradability:	No data available
Biodegradation:	No data available
Bioaccumulation:	No data available
Partition coefficient:	No data available
Mobility in soil:	No data available

13. Disposal Considerations

Follow Federal, State and Local governmental regulations. DO NOT flush into sanitary sewer or waterway. Do not reuse empty container. Recycle empty containers if possible or disposal in accordance with Federal, State and Local governmental regulations.

14. Transportation Information

US DOT	Proper Shipping Name Perfluoro Compounds, C5-18. Not regulated for transportation.
IATA DGR	Non-restrictive cargo conditions.
IMO, IMDG CODE	Non-restrictive cargo conditions.

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:	All of the components of this product are in the TSCA inventory and are active.	
US RCRA:	Not listed	
US HAP:	Not listed	
US NESHAP:	Not listed	
VOC:	1005 Volatile	
GWP:	No data available	
ODP:	No data available	
SARA 302:	Not listed	
SARA 304:	Not Listed	
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:	Not Listed	
US SNAP:	Not Listed	

STATE REGULATION

CA PROP 65:	Not Listed
Right to Know:	None

International:

Australia (NICNAS).	Listed. Certain restrictions may apply.
Canada (CEPA)	In compliance notification requirements.
China (MEMNCS)	In compliance. Certain restrictions may apply.
South Korean (TCC)	In compliance. Certain restrictions may apply.
Japan (CSC)	In compliance. Certain restrictions may apply.
Philippines (RA 6969)	In compliance. Certain restrictions may apply.

China Regulations on the Control over Safety of Dangerous Chemicals

China Catalog of Hazardous Chemicals (2015 Edition): Not Listed.
Principles for Definition and Determination of Hazardous Chemicals: Complies.
China Inventory of Existing Chemical Substances (2013 Edition): Included.

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 0	Flammability 0	Instability 0
HMIS Health 0	Flammability 0	Physical Hazards 0

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