

Safety Data Sheet

FC13-TE4-O-C3

1,1,1,2,2,3,3,4,4-Nonafluoro-6-Propoxyhexane

Revised 14-November-2016

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product name: FC13-TE4-O-C3

Chemical name: 1,1,1,2,2,3,3,4,4-Nonafluoro-6-propoxyhexane

Synonym: PFE-4,3; TE4-O-C3

Company Identification

Distributor: Fluoryx Labs

3650 Research Way, #22 Carson City, NV 89706

USA

Emergency call: +01-813-248-0585 (International)

+1-800-255-3924 (USA)

2. HAZARDS IDENTIFICATION

Emergency Overview:

GHS Classification Flammable liquid (category 3), irritant

Pictogram

Hazard statement(s) H226: Flammable liquid and vapor

H316: Causes mild skin irritation H320: Causes eye irritation

H335: May cause respiratory irritation

Precautionary statement(s) P262: Do not get in eyes, on skin, or on clothing

R-phrase(s) R36: Irritating to eyes

R37: Irritating to respiratory system

R38: Irritating to skin

Other hazard(s) None

3. COMPOSITION AND INFORMATION ON COMPONENTS

Chemical formula: $C_4F_9CH_2CH_2CH_2CH_3$

 $C_9H_{11}F_9O$

Molecular weight: 306.17

Material CAS # EINECS # Classification

1,1,1,2,2,3,3,4,4-Nonafluoro-6-propoxyhexane 1193009-98-1 None Flammable liquid class

3, H226, irritant, H316, H320, H335, P262, Xi,

R36, R37, R38

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult give

oxygen and seek medical attention.

Eye Contact: Flush with copious amounts of water for at least

15 minutes. If irritation persists, seek medical

attention.

Skin Contact: Remove contaminated clothing. Wash affected

area with soap and water. Rinse thoroughly.

If irritation persists or other symptoms are

observed, seek medical advice.

Ingestion: Rinse out mouth and drink lots of water. In

case of irritation or other symptoms, seek

medical attention

If the Subject is Completely Conscious: Rinse mouth and administer fresh water.

If the Subject is Unconscious:

Not applicable.

Medical Treatment/Notes to Physician: None.

5. FIRE FIGHTING MEASURES

Flash Point: 41 °C (closed cup) – flammable liquid

Firefighting

Protective Equipment: Wear self-contained breathing apparatus and

protective clothing to prevent contact with skin

and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

Extinguishing Medium: Suitable: water spray, carbon dioxide, dry

chemical powder, or appropriate foam.

Hazardous Products of

Combustion May Include: Carbon monoxide, carbon dioxide, and hydrogen

fluoride (hydrofluoric acid)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment including rubber

gloves, and eye protection. Keep unprotected

persons away.

Environmental Precautions: Take precautions to ensure product does not

contaminate the ground or enter the drainage

system.

Waste Collections: Mix with vermiculite or proprietary absorbent

material and transfer to sealed containers for

disposal.

7. HANDLING AND STORAGE

Handling Requirements: Chemicals should be used only by those trained

in handling potentially hazardous materials.

Rubber gloves, eye protection and protective clothing should be worn. Operations should be

carried out in an efficient fume hood or

equivalent system.

Protection against Fire and Explosion:Do not spray on a naked flame or any other

incandescent material. Keep flames away.

Storage Conditions: Store in tightly sealed containers in a cool place.

Protect from moisture. Store in a flammable

materials cabinet.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Controls:

Respiratory: Avoid inhalation of product. Handle in an

efficient fume hood or equivalent system.

Hand and body protection: Irritant product. Avoid skin contact. Wear

rubber gloves, protective clothing and, for larger quantities, full arm, body and face protection.

Wash hands thoroughly after handling.

Eye protection: Avoid eye contact. Wear safety spectacles,

goggles or, for larger quantities, a full face mask.

Fire And Explosion Protection: Flammable product. Do not spray on a naked

flame or any other incandescent material.

Store in tightly sealed containers in a cool, well-

ventilated place.

9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceClear liquidColorColorless

Molecular Weight 306.17 g/mole

Boiling Point 142 °C @ 760 mm Hg

Melting Point -74 °C

FC13-TE4-O-C3 SDS

Flash Point 41 °C (closed cup)

Specific Gravity ($H_2O = 1$): Not available Refractive Index 1.3092 @ 27 °C

Oxidizer Non-oxidizing (by EC criteria)

10. STABILITY AND REACTIVITY

Materials and Substances to Avoid: Strong bases. Strong oxidizing agents.

Hazardous Decomposition Products: May include: carbon monoxide, carbon dioxide,

hydrogen fluoride (hydrofluoric acid).

Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

RTECS No. Not listed.

Acute Toxicity: LD₅₀: Not available.

Irritating to eyes, respiratory system and skin.

12. ECOLOGICAL INFORMATION

General: Take care to prevent chemicals from entering

the ground, water courses or drainage systems.

13. DISPOSAL CONSIDERATIONS

Disposal Treatment: Disposal should be via an approved contractor

and should take full account of local regulations.

14. TRANSPORT INFORMATION

Mode DOT/IMDG/IATA

UN Number UN1993

Class (Subsidiary)

Proper Shipping Name Flammable Liquid, n.o.s.

Hazard Label (Subsidiary) Flammable Liquid

Packing Group III

Shipping Hazard Label:



15. OTHER INFORMATION

Legal Disclaimer:

For R&D use only. Not for drug, household, or other uses. The previous information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations or mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. Unless noted to the contrary, the technical information applies only to pure product.

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End of SDS