

Safety Data Sheet

FC13-356mec3

1,1,2,3,3,3-Hexafluoropropyl Methyl Ether

Revised 24-April-2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 1,1,2,3,3,3-Hexafluoropropyl methyl ether

FC13-356mec3 **Catalog Number**

382-34-3 **CAS Number**

Supplier Fluoryx Labs

> 3650 Research Way, #22 Carson City, NV 89706

USA

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

+1-800-255-3924 (USA)

2. HAZARDS INFORMATION

Emergency Overview

GHS Classification Skin Irrit. 2, H315 - Causes skin irritation

Eye Irrit. 2A, H319 - Causes serious eye irritation STOT SE 3, H336 - May cause drowsiness or

dizziness

STOT SE 3, H335 - May cause respiratory irritation

GHS Label elements, including precautionary statements

Pictogram Signal word

Warning

Hazard statement(s) H315: Causes skin irritation.

H320: Causes eye irritation.

H335: May cause respiratory irritation H336: May cause drowsiness or dizziness

Precautionary statement(s) P261: Avoid breathing fumes, mist, spray, vapors.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eve protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap

and water.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER or doctor/physician

if you feel unwell.

P332 + P313: If skin irritation occurs: Get medical

advice/attention.

P337 + P313: If eye irritation persists: Get medical

advice/attention.

Hazards not otherwise classified (HNOC) or not covered by GHS

Special protective equipment for firefighters

Inhalation of decomposition products from overheating may cause lung irritation or shortness of breath.

Synanyma	DY-54;		
Synonyms	DAIKIN T-8301; 1,1,1,2,3,3-Hexafluoro-4-oxapentane; 1-Methoxy-1,1,2,3,3,3-hexafluoropropane; 1,1,2,3,3,3-Hexafluoro-1-methoxypropane; 1,1,2,3,3-Hexafluoropropyl methyl ether; Methyl-1,1,2,3,3,3-pentafluoropropylether (CF ₃) ₂ CHCF ₂ OCH ₃ C ₄ H ₄ F ₆ O		
Chemical formula			
Molecular weight	182.06 g/mol		
CAS number	382-34-3		
EC number	None		
TSCA status	Not listed		
Components		_	
Material	Classification	Concentration	
1,1,2,3,3,3-Hexafluoropropyl methyl ether	Skin Irrit. 2, H315 Eye Irrit. 2A, H319	≤ 100%	
	STOT SE 3, H336		
	STOT SE 3, H335		
4. FIRST AID MEASURES			
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.		
In case of skin contact	Wash off with soap and plenty of water. Get medical advice/attention.		
In case of eye contact	contact lenses, if pre	Flush eyes with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician	
If swallowed	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth with water. Consult a physician.		
5. FIREFIGHTING MEASURES			
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding		

fighting.

environment, such as: carbon dioxide, dry chemical powder, water. Do not use water with a full water jet.

Wear self-contained breathing apparatus for fire

Hazardous combustion products Hazardous decomposition products formed under

fire conditions - carbon oxides, hydrogen fluoride.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear personal protective equipment. Avoid contact

with the skin and the eyes. Ensure adequate ventilation. Avoid inhalation of vapor, mist, dust, or

rentilation. Avoid innalation of vapor, mist, dust,

gas.

Environmental precautionsDo not let product enter drains. Discharge into the

environment must be avoided.

Methods for cleaning up Mix with sand or vermiculite. Transfer to a

closable, labeled salvage container for disposal by

an appropriate method

7. HANDLING AND STORAGE

Precautions for Safe Handling Do not handle until all safety precautions have been

read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid

contact with skin and eyes.

Hygiene Measures Handle in accordance with good industrial hygiene

and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after

handling the product.

Conditions for Safe Storage Keep container tightly closed in a dry and well-

ventilated place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Appropriate engineering controls Ensure good ventilation of the work station.

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any

potential exposure.

Hand protection Protective gloves. 29 CFR 1910.138: Hand

Protection.

Eye protection Chemical goggles or safety glasses. Face shield. 29

CFR 1910.133: Eye and Face Protection.

Skin and body protection Wear suitable protective clothing.

Respiratory protection In case of inadequate ventilation wear respiratory

protection. 29 CFR 1910.134: Respiratory

Protection.

Other information Safety shoes. 29 CFR 1910.136: Foot Protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form Liquid
Color Colorless

Safety Data

FC13-356mec3

No data available pΗ Melting Point/Freezing Point No data available **Boiling Point** 53 °C @ 760 mm Hg Flash Point No data available Ignition Temperature No data available **Auto-ignition Temperature** No data available Lower Explosion Limit No data available Upper Explosion Limit No data available Thermal Decomposition Temperature No data available Vapor Pressure No data available

Density 1.47 g/mL @ 20 °C Water Solubility No data available Partition Coefficient (*n*-octanol/water) No data available

Relative Vapor Density (Air = 1) > 1

Odor Ether-like

Odor Threshold

Evaporation Rate

Refractive index

Viscosity

No data available

No data available

No data available

No data available

10. STABILITY AND REACTIVITY

Storage stability Stable under recommended storage conditions.

Possibility of hazardous reactions Polymerization will not occur. No additional

information available.

Conditions to avoid Keep away from open flames and heated surfaces

above 300 °C.

Materials to avoid Strong oxidizing agents. Strong acids.

Hazardous decomposition products

Hazardous decomposition products formed under

fire conditions - carbon oxides, hydrogen fluoride,

carbonyl fluoride.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 No data available Inhalation LC50 No data available Dermal LD50 No data available Other information on acute toxicity No data available

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization No data available.

Germ cell mutagenicity No data available.

Carcinogenicity IARC: No component of this product present at

levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a

known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity (Globally Harmonized System)

Single exposure May cause drowsiness or dizziness. May cause

respiratory irritation.

Repeated exposureNo data availableAspiration HazardNo data availableSynergistic EffectsNo data availableAdditional InformationNo data available

12. ECOLOGICAL INFORMATION

Toxicity No data available

Persistence and Degradability Likely to persist in the environment

Bioaccumulative PotentialNo data availableMobility in SoilNo data availablePBT and vPvB AssessmentNo data availableOther adverse effectsNo data available

13. DISPOSAL CONSIDERATIONS

Product Offer non-recyclable solutions to a licensed disposal

company. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Contact Fluoryx Labs to return unused

product.

Contaminated packaging Dispose of as unused product.

14. TRANSPORTATION INFORMATION

DOT (US)IMDGIATANot dangerous goodsIATANot dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards No known OSHA hazards.

TSCA Status Not listed.

DSL StatusNo data available

Japanese ENCS inventory Listed
Japanese ISHL (Industrial Safety and Health Law) Listed

SARA 302 Components No chemicals in this material are subject to the

reporting requirements of SARA Title III, Section

302.

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SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Serious eye irritation.

Massachusetts Right To Know Components

No components are subject to the Massachusetts

Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania

Right to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right

to Know Act.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Eye Irrit. 2A Skin Irrit. 2 STOT SE 3

STOT SE 3

H315 H319 H335 H336

NFPA health hazard

NFPA fire hazard NFPA reactivity

HMIS III Rating

Health

Flammability Physical Serious eye damage/eye irritation Category 2A

Skin corrosion/irritation Category 2

Specific target organ toxicity (single exposure)

Category 3

Specific target organ toxicity (single exposure)

Category 3

Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness

3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention

was given.

0 - Materials that will not burn.

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

2 Moderate Hazard - Temporary or minor injury may

occur

0 Minimal Hazard - Materials that will not burn 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

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.

To our actual knowledge, the information contained

Further information:

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End of MSDS