

# Safety Data Sheet

## FC07-05M

### 1H,1H-Perfluorohexyl Methacrylate

Revised 26-November-2021

Product Identifier	
Product Name	1H,1H-Perfluorohexyl methacrylate, mixture of isomers
Catalog Number	FC07-05M
Brand	Fluoryx Labs
CAS Number	13173-36-9
Relevant identified uses of the Substar Identified uses:	nce or mixture and uses advised against
Identified uses.	Laboratory chemicals. Manufacture of substances
Details of the supplier of the safety dat	a sheet
Company	Fluoryx Labs
	3650 Research Way, #22
	Carson City, NV 89706
	USA
	+1 (510) 329-9149 (Telephone)
	+1 (510) 686-8799 (Fax)
	www.fluoryx.com
Emergency call (ChemTel)	+01-813-248-0585 (International)
	+1-800-255-3924 (USA)

#### Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319 Specific target organ toxicity - single exposure (Category 3), respiratory system, H335

GHS Label elements, including precautionary statements

Pictogram Signal word

Hazard statement(s) H315 H319 H335

Precautionary statement(s) P261 Warning

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 P271 P280	Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye 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.
P321	Specific treatment (see supplemental first aid instructions on this label).
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

# 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Synonyms	2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexyl 2-methylprop-2-enoate; Methacrylic acid 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexyl ester; 2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexyl 2-methylprop-2-enoate	
Formula:	$CH_2=C(CH_3)C(O)OCH_2(CF_2)_5F$ $C_{10}H_7F_{11}O_2$	
Molecular weight	368.14 g/mol	
CAS number	13173-36-9	
EC number	Not listed	

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#### Hazardous components

Component	Classification	Concentration
	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335	≤100%
For the full text of the H Statements ment		

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For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 4. FIRST AID MEASURES

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
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. Consult a physician.
In case of eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a Page 2 of 7

physician.

#### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed - No data available

5. FIRE FIGHTING MEASURES		
Suitable extinguishing media Use water spray, alcohol-resistant foam, dry		
	chemical or carbon dioxide.	
Special protective equipment for firefighters	Wear self contained breathing apparatus for fire fighting.	
Hazardous combustion products	Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride.	
6. ACCIDENTAL RELEASE MEASURES		
Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.	
Environmental Precautions	Do not discharge into drains or rivers.	
Clean-Up Procedures	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.	
7. HANDLING AND STORAGE		
Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.	
Storage Conditions:	Keep container tightly closed in a dry and well- ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.	
	Recommended storage temperature: 2 - 8 °C	
8. EXPOSURE CONTROLS AND PERSONAL PR	OTECTION	
Components with workplace control parameters	<ul> <li>Contains no substances with occupational exposure limit values.</li> </ul>	
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
Personal protective equipment		
Eye/face protection:	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).	
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry	

	hands.
Body protection	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	Do no let product enter drains.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Liquid, clear
Colorless
No data available
No data available
68 °C @ 20 mm Hg
No data available
>1 (air = 1)
1.5 @ 20 °C
No data available
No data available
> 1
Acrylic
No data available

### 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions. Contains 100 ppm BHT inhibitor
Possibility of hazardous reactions:	Unless inhibited, product can polymerize, raising

	temperature and pressure, possibly rupturing container. Check inhibitor content often adding to melted bulk liquid if needed.
Conditions to avoid	Heat, light.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	In combustion, emits toxic fumes including carbon monoxide, carbon dioxide, and hydrogen fluoride.
11. TOXICOLOGICAL INFORMATION	
Acute toxicity	Oral LD50 No data available Inhalation LC50 No data available Dermal LD50No data available Other information on acute toxicity No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	<ul> <li>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.</li> <li>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.</li> <li>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.</li> <li>OSHA 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.</li> </ul>
Reproductive toxicity	No data available
Teratogenicity	No data available
Specific target organ toxicity (Globally Harmo Single exposure Repeated exposure	<b>nized System)</b> Inhalation – may cause respiratory irritation. No data available
Aspiration hazard	No data available
Signs and Symptoms of Exposure:	No data available
Synergistic effects	No data available
Additional Information	RTECS: Not available
To the best of our knowledge, the chemical, phys thoroughly investigated.	sical, and toxicological properties have not been

thoroughly investigated.

12. ECOLOGICAL INFORMATION	
Toxicity	No data available
Persistence and Degradability	Does not readily degrade.
Bioaccumulative Potential	No data available

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FC07-05M SDS		
Mobility in Soil	No data available	
PBT and vPvB Assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.	
Other adverse effects No data available		
13. DISPOSAL CONSIDERATIONS		
Product	Offer non-recyclable solutions to a licensed disposal company. Contact Fluoryx to return unused product.	
Packaging	Dispose of as unused product.	
14. TRANSPORTATION INFORMATION		
DOT (US)	Not dangerous goods	
IMDG	Not dangerous goods	
ΙΑΤΑ	Not dangerous goods	
15. REGULATORY INFORMATION		
TSCA Inventory	No listed	
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	
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	No SARA hazards.	
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		

Full text of H-Statements referred to under sections 2 and 3.	
Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure
HMIS Classification	
Health hazard	1
Flammability	0
Physical hazards	0
NFPA Rating	
Health hazard	1

Fire Reactivity hazard

**Further information** 

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