

**FC04-08****2-(Perfluorooctyl)ethyl Alcohol**

Revised 19-November-2016

**1. PRODUCT AND COMPANY IDENTIFICATION****Product Identifier**

Product Name	2-(Perfluorooctyl)ethyl alcohol
Catalog Number	FC04-08
Brand	Fluoryx Labs
CAS Number	678-39-7

**Relevant identified uses of the Substance or mixture and uses advised against**

Identified uses:	Laboratory chemicals. Manufacture of substances.
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**Details of the supplier of the safety data sheet**

Company	<b>Fluoryx Labs</b> 3650 Research Way, #22 Carson City, NV 89706 USA +1 (510) 329-9149 (Telephone) +1 (510) 686-8799 (Fax) www.fluoryx.com
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**Emergency call (Chemtel):**

+01-813-248-0585 (International)
+1-800-255-3924 (USA)

**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not a hazardous substance

**GHS Label elements, including precautionary statements**

Not a hazardous substance

**Hazard statement(s)**

Not a hazardous substance

**Precautionary statement(s)**

Not a hazardous substance

**3. COMPOSITION AND INFORMATION ON INGREDIENTS****Synonyms**

1H,1H,2H,2H-Perfluorodecyl alcohol;  
 1H,1H,2H,2H -Perfluoro-1-decanol;  
 1H,1H,2H,2H-Perfluorodecyl-1-ol;  
 1H,1H,2H,2H -Heptadecafluoro-n-decanol;  
 1H,1H,2H,2H -Perfluorodecanol;  
 1H,1H,2H,2H-Heptadecafluorodecan-1-ol;  
 1,1,2,2-Tetrahydroperfluoro-1-decanol;

3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluoro-1-decanol;  
 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-decanol;  
 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-;  
 8:2 FTOH™;  
 DAIKIN A-1820™

<b>Formula</b>	C <sub>10</sub> H <sub>5</sub> F <sub>17</sub> O CF <sub>3</sub> CF <sub>2</sub> CF <sub>2</sub> CF <sub>2</sub> CF <sub>2</sub> CF <sub>2</sub> CF <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH
<b>Molecular weight</b>	464.119
<b>CAS number</b>	678-39-7
<b>EC number</b>	211-648-0

No components need to be disclosed according to the applicable regulations.

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#### 4. FIRST AID MEASURES

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<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<b>In case of skin contact</b>	Wash off with soap and plenty of water.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.

**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

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#### 5. FIREFIGHTING MEASURES

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<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Advice for firefighters</b>	Wear self-contained breathing apparatus for fire fighting.
<b>Hazardous combustion products</b>	Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride.

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#### 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions</b>	Avoid dust formation. Avoid breathing vapors, mist, or gas.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
<b>Methods for cleaning up</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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#### 7. HANDLING AND STORAGE

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<b>Precautions for safe handling</b>	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
<b>Conditions for safe storage</b>	Keep container tightly closed in a dry and well-

ventilated place.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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<b>Components with workplace control parameters</b>	Contains no substances with occupational exposure limit values.
<b>Appropriate engineering controls</b>	General industrial hygiene practice.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	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).
<b>Skin protection</b>	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.
<b>Body protection</b>	Choose body protection in relation to its type, to the concentration and amount of dangerous substance, and to the specific workplace.
<b>Respiratory protection</b>	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of environmental exposure</b>	Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

Form	Solid
Color	White

### Safety Data

pH	No data available
Melting Point/Freezing Point	47 °C
Boiling Point	113 °C @ 10 mm Hg
Flash Point	> 110 °C (closed cup)
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	1.69 g/mL @ 20 °C
Water Solubility	Negligible
Partition Coefficient ( <i>n</i> -octanol/water)	No data available
Relative Vapor Density (Air = 1)	> 1
Odor	No data available

Odor Threshold	No data available
Evaporation Rate	No data available
Oxidizing Properties	No data available

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## 10. STABILITY AND REACTIVITY

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<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Polymerization will not occur. No other data available.
<b>Conditions to avoid</b>	Keep away from open flames and heated surfaces above 300 °C.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride, and carbonyl fluoride.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Acute toxicity</b>	
Oral LD50	No data available
Inhalation LC50	No data available
Dermal LD50	No data available
Other information on acute toxicity	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
<b>Reproductive toxicity</b>	No data available
<b>Teratogenicity</b>	No data available
<b>Specific target organ toxicity (Globally Harmonized System)</b>	
Single exposure	No data available
Repeated exposure	No data available
<b>Aspiration Hazard</b>	No data available
<b>Signs and Symptoms of Exposure:</b>	No data available

**Synergistic Effects** No data available

**Additional Information** RTECS: Not available

To the best of our knowledge, the chemical, physical, 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

**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 Inc. to return unused product.

**Contaminated packaging** Dispose of as unused product.

## 14. TRANSPORTATION INFORMATION

**DOT (US)** Not dangerous goods

**IMDG** Not dangerous goods

**IATA** Not dangerous goods

## 15. REGULATORY INFORMATION

**TSCA Status** On the inventory.

**DSL Status** This product contains the following components listed on the Canadian NDSL list:  
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoro-  
CAS-No. 678-39-7

**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** 1H,1H,2H,2H-Perfluoro-1-decanol  
CAS-No. 678-39-7

**New Jersey Right To Know Components** 1H,1H,2H,2H-Perfluoro-1-decanol  
CAS-No. 678-39-7

**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.

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## 16. OTHER INFORMATION

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### HMIS Classification

Health hazard	0
Flammability	0
Physical hazards	0

### NFPA Rating

Health hazard	0
Fire	0
Reactivity hazard	0

### Further information

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