

P&M INVEST LTD (ロシア)

# フルオロ化合物 商業生産品リスト 2015



・フルオロ化合物専門メーカー P&M INVEST LTD



**東洋サイエンス**  
Making Science , Growing Together

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## 2,2-Difluoroethanol

<b>Purity</b>	98%
<b>CAS Number</b>	[359-13-7]
<b>MDL Number</b>	MFCD00042248
<b>Molecular Formula</b>	$C_2H_4F_2O$
<b>Molecular Weight</b>	82.05
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,296
Refractive Index, 20°C	1,3380
Boiling point, °C	95-96
Flash point, °C	3

**Capacity** 250 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**No UN** 1987

## 2,2,3,3,3-Pentafluoropropan-1-ol

<b>Purity</b>	98%
<b>CAS Number</b>	[422-05-9]
<b>MDL Number</b>	MFCD00004673
<b>Molecular Formula</b>	$C_3H_3F_5O$
<b>Molecular Weight</b>	150.05
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,505
Refractive Index, 20°C	1,2880-1-2940
Boiling point, °C	80-81
Flash point, °C	none

**Capacity** 250 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**No UN** 1987

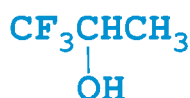
## ALCOHOLS

### 3,3,3-Trifluoropropan-1-ol



<b>Purity</b>	98%
<b>CAS Number</b>	[2240-88-2]
<b>MDL Number</b>	MFCD00190649
<b>Molecular Formula</b>	$\text{C}_3\text{H}_5\text{F}_3\text{O}$
<b>Molecular Weight</b>	114.07
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,294
Refractive Index, 20°C	1,32
Boiling point, °C	100-101
Flash point, °C	37
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1987

### 1,1,1-Trifluoropropan-2-ol



<b>Purity</b>	98%
<b>CAS Number</b>	[374-01-6]
<b>MDL Number</b>	MFCD00014403
<b>Molecular Formula</b>	$\text{C}_3\text{H}_5\text{F}_3\text{O}$
<b>Molecular Weight</b>	114.07
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,259
Refractive Index, 20°C	1,316-1,319
Boiling point, °C	76-78
Melting point, °C	-52
Flash point, °C	25
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993

## 2,2,3,3,4,4,4-Heptafluorobutan-1-ol

<b>Purity</b>	98%
<b>CAS Number</b>	[375-01-9]
<b>MDL Number</b>	MFCD00004674
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>3</sub> F <sub>7</sub> O
<b>Molecular Weight</b>	200.06
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

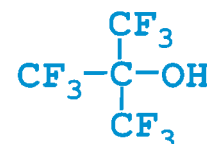
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,596
Refractive Index, 20°C	<1,3000
Boiling point, °C	96-97
Flash point, °C	25

**Capacity** 250 kg per month

<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1987

## Perfluoro-tert-butanol

<b>Purity</b>	98%
<b>CAS Number</b>	[2378-02-1]
<b>MDL Number</b>	MFCD00042092
<b>Molecular Formula</b>	C <sub>4</sub> HF <sub>9</sub> O
<b>Molecular Weight</b>	236.04
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,693
Refractive Index, 20°C	1,27
Boiling point, °C	44-45
Melting point, °C	-15
Flash point, °C	none

**Capacity** 200 kg per month

<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2810



## ALCOHOLS

### 4,4,5,5,5-Pentafluoropentanol



<b>Purity</b>	99%
<b>CAS Number</b>	[148043-73-6]
<b>MDL Number</b>	MFCD00153224
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>7</sub> F <sub>5</sub> O
<b>Molecular Weight</b>	178.10
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,35
Refractive Index, 20°C	1,330
Boiling point, °C	62-64/35 mm Hg
Flash point, °C	62
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	1987

### 1H,1H,7H-Perfluoroheptanol (Purification)



<b>Purity</b>	98%
<b>CAS Number</b>	[335-99-9]
<b>MDL Number</b>	MFCD00039630
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>4</sub> F <sub>12</sub> O
<b>Molecular Weight</b>	332.09
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li><li>intermediate for fluoroacrylates</li><li>intermediate for fluoropolymers</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,753
Refractive Index, 20°C	1,3180
Boiling point, °C	170-172
Melting point, °C	-14
<b>Capacity</b>	<b>2000 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	Not restricted

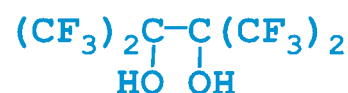
## 1H,1H,11H-Perfluoroundecan-1-ol (Purification)

<b>Purity</b>	94%
<b>CAS Number</b>	[307-70-0]
<b>MDL Number</b>	MFCDD00039628
<b>Molecular Formula</b>	$C_{11}H_4F_{20}O$
<b>Molecular Weight</b>	532.12
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> <li>• intermediate for fluoroacrylates</li> <li>• intermediate for fluoropolymers</li> </ul>
<b>Properties</b>	
Appearance	Solid
Boiling point, °C	180-181/200 mm Hg
Melting point, °C	95-97
<b>Capacity</b>	<b>200 kg per month</b>
<b>Packing</b>	Plastic and steel containers UN-approved, volume 100 L, 200 L
<b>No UN</b>	Not restricted



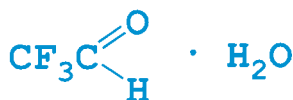
## Hexafluoro-2,3-bis(trifluoromethyl)butane-2,3-diol

<b>Purity</b>	96%
<b>CAS Number</b>	[918-21-8]
<b>MDL Number</b>	MFCDD00427700
<b>Molecular Formula</b>	$C_6H_2F_{12}O_2$
<b>Molecular Weight</b>	334.06
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> <li>• material for electronics</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,86
Refractive Index, 20°C	1,3102
Boiling point, °C	128-129
Melting point, °C	18-20
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 5L, 10L
<b>No UN</b>	2810



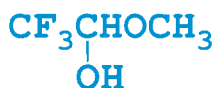
## ALDEHYDES

### Trifluoroacetaldehyde hydrate (tech.)



<b>Purity</b>	75%
<b>CAS Number</b>	[421-53-4]
<b>MDL Number</b>	MFC00046626
<b>Molecular Formula</b>	C <sub>2</sub> HF <sub>3</sub> O · H <sub>2</sub> O
<b>Molecular Weight</b>	116.04
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate in production of fluorochemicals</li><li>• intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,49
Refractive Index, 20°C	1,3404
Boiling point, °C	106-107
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	2810

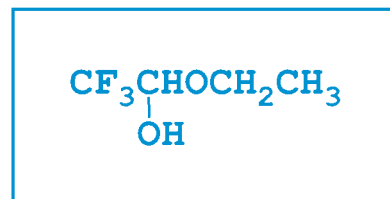
### Trifluoroacetaldehyde methyl hemiacetal (tech.)



<b>Purity</b>	90-92%
<b>CAS Number</b>	[431-46-9]
<b>MDL Number</b>	MFC00013572
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>5</sub> F <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight</b>	130.07
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate in production of fluorochemicals</li><li>• intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,351
Refractive Index, 25°C	1,3259
Boiling point, °C	96-98
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993

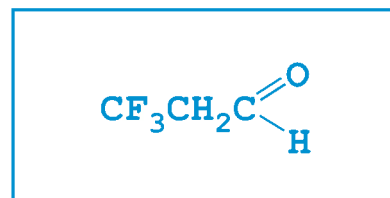
## Trifluoroacetaldehyde ethyl hemiacetal (tech.)

<b>Purity</b>	90-92%
<b>CAS Number</b>	[433-27-2]
<b>MDL Number</b>	MFC00000441
<b>Molecular Formula</b>	$C_4H_7F_3O_2$
<b>Molecular Weight</b>	144.09
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorochemicals</li> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,241
Refractive Index, 25°C	1,3420
Boiling point, °C	104-106
<b>Capacity</b>	<b>50 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993



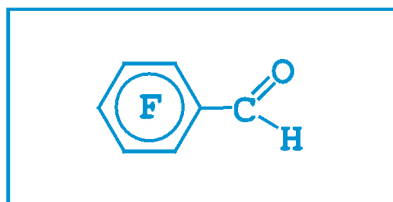
## 3,3,3-Trifluoropropanal

<b>Purity</b>	95%
<b>CAS Number</b>	[460-40-2]
<b>MDL Number</b>	MFC00156074
<b>Molecular Formula</b>	$C_3H_3F_3O$
<b>Molecular Weight</b>	112.05
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorochemicals</li> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,365
Refractive Index, 20°C	1,3168
Boiling point, °C	56-57
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2810



## ALDEHYDES

# Pentafluorobenzaldehyde

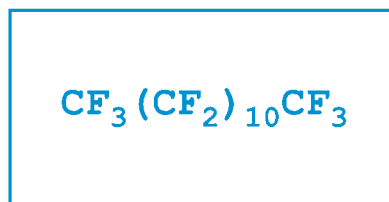


# NEW

<b>Purity</b>	97%
<b>CAS Number</b>	[653-37-2]
<b>MDL Number</b>	MFCD00003303
<b>Molecular Formula</b>	C <sub>7</sub> HF <sub>5</sub> O
<b>Molecular Weight</b>	196.08
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate in production of fluorochemicals</li><li>• intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	White solid
Density, g/sm <sup>3</sup>	1,588
Refractive Index, 25°C	1,4488-1,4520
Boiling point, °C	168-170
Melting point, °C	20-25
Flash point, °C	77
<b>Capacity</b>	<b>50 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L
<b>No UN</b>	2811

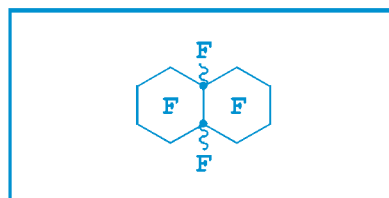
## Perfluorododecane

<b>Purity</b>	97%
<b>CAS Number</b>	[307-59-5]
<b>MDL Number</b>	MFC00042084
<b>Molecular Formula</b>	$C_{12}F_{26}$
<b>Molecular Weight</b>	638.09
<b>Application</b>	<ul style="list-style-type: none"> <li>• solid lubricants</li> </ul>
<b>Properties</b>	
Appearance	Solid
Density, g/sm <sup>3</sup>	1,67
Boiling point, °C	178
Melting point, °C	75
<b>Capacity</b>	<b>250 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L
<b>Nº UN</b>	3335



## cis/trans-Perfluorodecalin (Purification)

<b>Purity</b>	99%
<b>CAS Number</b>	[306-94-5]
<b>MDL Number</b>	MFC00010626
<b>Molecular Formula</b>	$C_{10}F_{18}$
<b>Molecular Weight</b>	462.08
<b>Application</b>	<ul style="list-style-type: none"> <li>• dielectric</li> <li>• heat-carrying agent</li> <li>• component of blood surrogates and pervaporate liquids in medicine</li> <li>• component of pharmaceuticals and cosmetics</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,906
Refractive Index, 20°C	1,3135-1,3155
Boiling point, °C	141-142
Melting point, °C	2-4
Flash point, °C	none
<b>Capacity</b>	<b>250 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	Not restricted



## ALKANES

### Iodotrifluoromethane



# NEW

<b>Purity</b>	97%
<b>CAS Number</b>	[2314-97-8]
<b>MDL Number</b>	MFCD00001060
<b>Molecular Formula</b>	$\text{CF}_3\text{I}$
<b>Molecular Weight</b>	195.91
<b>Application</b>	<ul style="list-style-type: none"><li>active body in optical quantum generators</li><li>material in production of fluorochemicals</li><li>semiproduct for pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Gas
Density, g/sm <sup>3</sup> , t=-42°C	2,3608
Refractive Index, -42°C	1,3390
Boiling point, °C	-22
Flash point, °C	none
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Steel cylinders UN-approved, volume 14 L, 38 L and 50 L
<b>№ UN</b>	1956

### Iodopentafluoroethane



<b>Purity</b>	98%
<b>CAS Number</b>	[354-64-3]
<b>MDL Number</b>	MFCD00039400
<b>Molecular Formula</b>	$\text{C}_2\text{F}_5\text{I}$
<b>Molecular Weight</b>	245.92
<b>Application</b>	<ul style="list-style-type: none"><li>active body in optical quantum generators</li><li>material in production of fluorochemicals</li><li>semiproduct for pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Condensed gas
Density, g/sm <sup>3</sup>	2,080
Refractive Index, 20°C	1,3390
Boiling point, °C	12-13
Flash point, °C	none
<b>Capacity</b>	<b>200 kg per month</b>
<b>Packing</b>	Steel cylinders UN-approved, volume 14 L, 38 L and 50 L
<b>№ UN</b>	1956

## Heptafluoro-1-iodopropane

Purity	96%+
CAS Number	[354-64-3]
MDL Number	MFC00001061
Molecular Formula	C <sub>3</sub> F <sub>7</sub> I
Molecular Weight	295.93
Application	<ul style="list-style-type: none"> <li>• active body in optical quantum generators</li> <li>• material in production of fluorochemicals</li> <li>• semiproduct for pharmaceuticals</li> </ul>



# NEW

<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	2,056
Refractive Index, 20°C	1,3270-1,3281
Boiling point, °C	40-41
Flash point, °C	none

<b>Capacity</b>	100 kg per month
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<b>Packing</b>	Steel cylinders UN-approved, volume 14 L, 38 L and 50 L
<b>Nº UN</b>	2810

## Heptafluoro-2-iodopropane

Purity	99%
CAS Number	[677-69-0]
MDL Number	MFC000042089
Molecular Formula	C <sub>3</sub> F <sub>7</sub> I
Molecular Weight	295.93
Application	<ul style="list-style-type: none"> <li>• active body in optical quantum generators</li> <li>• material in production of fluorochemicals</li> <li>• fire fighting media</li> </ul>



<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	2,077
Refractive Index, 20°C	1,3237
Boiling point, °C	40-42
Flash point, °C	none

<b>Capacity</b>	300 kg per month
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<b>Packing</b>	Steel and plastic containers UN-approved, volume 30 L, 48 L, 100 L and 200 L
<b>Nº UN</b>	2810



## ALKANES

### 1-Iodo-3,3,3-trifluoropropane



<b>Purity</b>	97%
<b>CAS Number</b>	[460-37-7]
<b>MDL Number</b>	MFCD00038531
<b>Molecular Formula</b>	$\text{C}_3\text{H}_4\text{F}_3\text{I}$
<b>Molecular Weight</b>	223.96
<b>Application</b>	<ul style="list-style-type: none"><li>material in production of fluorochemicals</li><li>semiproduct for pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,911
Refractive Index, 20°C	1,4200-1,4227
Boiling point, °C	89-90
Flash point, °C	>110
<b>Capacity</b>	<b>50 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L
<b>No UN</b>	3334

### 1,2-Dibromo-3,3,3-trifluoropropane



<b>Purity</b>	97%
<b>CAS Number</b>	[431-21-0]
<b>MDL Number</b>	MFCD00042235
<b>Molecular Formula</b>	$\text{C}_3\text{H}_3\text{Br}_2\text{F}_3$
<b>Molecular Weight</b>	255.86
<b>Application</b>	<ul style="list-style-type: none"><li>material in production of fluorochemicals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	2,121
Refractive Index, 20°C	1,4285
Boiling point, °C	115-116
Flash point, °C	none
<b>Capacity</b>	<b>500 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L
<b>No UN</b>	Not restricted

## 1,6-Dichloroperfluorohexane

<b>Purity</b>	97%
<b>CAS Number</b>	[355-40-8]
<b>MDL Number</b>	MFCD00155741
<b>Molecular Formula</b>	$C_6Cl_2F_{12}$
<b>Molecular Weight</b>	370.95
<b>Application</b>	<ul style="list-style-type: none"> <li>material in production of fluorochemicals</li> </ul>
<b>Quality Data:</b>	
Appearance	Colorless liquid
Refractive Index, 25°C	1,3217
Boiling point, °C	114-116
<b>Capacity</b>	50 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L
<b>№ UN</b>	2810



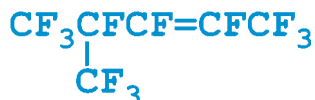
## 1,16-Dichloroperfluorohexadecane

<b>Purity</b>	97%
<b>CAS Number</b>	[1555-20-0]
<b>MDL Number</b>	MFCD16620565
<b>Molecular Formula</b>	$C_{16}Cl_2F_{32}$
<b>Molecular Weight</b>	871.03
<b>Application</b>	<ul style="list-style-type: none"> <li>solid lubricants</li> </ul>
<b>Properties</b>	
Appearance	Solid
Assay, % min	97
Melting point, °C	140
<b>Capacity</b>	50 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L
<b>№ UN</b>	not restricted



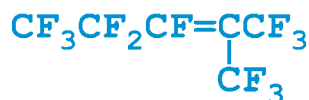
## ALKENES

### Perfluoro(4-methylpent-2-ene)



<b>Purity</b>	99%
<b>CAS Number</b>	[2070-70-4]
<b>MDL Number</b>	MFC000153253
<b>Molecular Formula</b>	C <sub>6</sub> F <sub>12</sub>
<b>Molecular Weight</b>	300.05
<b>Application</b>	<ul style="list-style-type: none"> <li>• firefighting media</li> <li>• monomer in fluoropolymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,58
Boiling point, °C	49
<b>Capacity</b>	<b>200 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993

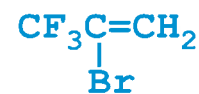
### Perfluoro(2-methylpent-2-ene)



<b>Purity</b>	98%
<b>CAS Number</b>	[1584-03-8]
<b>MDL Number</b>	MFC00015724
<b>Molecular Formula</b>	C <sub>6</sub> F <sub>12</sub>
<b>Molecular Weight</b>	300.05
<b>Application</b>	<ul style="list-style-type: none"> <li>• monomer in fluoropolymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,633
Refractive Index, 20°C	1,2631
Boiling point, °C	51
Flash point, °C	-12
<b>Capacity</b>	<b>200 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993

## 2-Bromo-3,3,3-trifluoropropene

<b>Purity</b>	99%
<b>CAS Number</b>	[1514-82-5]
<b>MDL Number</b>	MFCD00077469
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>2</sub> BrF <sub>3</sub>
<b>Molecular Weight</b>	174.95
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in fluoropolymer production</li> </ul>



<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,686
Refractive Index, 20°C	1,3510
Boiling point, °C	33-34
Flash point, °C	none

<b>Capacity</b>	400 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	2810

## 4-Bromo-1,1,2-trifluorobut-1-ene

<b>Purity</b>	98%
<b>CAS Number</b>	[10493-44-4]
<b>MDL Number</b>	MFCD00039274
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>4</sub> BrF <sub>3</sub>
<b>Molecular Weight</b>	188.97
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in fluoropolymer production</li> </ul>



<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,639
Refractive Index, 20°C	1,4020
Boiling point, °C	97-98
Flash point, °C	17

<b>Capacity</b>	150 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	1993

## AMINES

### 2,2-Difluoroethylamine



<b>Purity</b>	98%
<b>CAS Number</b>	[430-67-1]
<b>MDL Number</b>	MFCD00798137
<b>Molecular Formula</b>	$\text{C}_2\text{H}_5\text{F}_2\text{N}$
<b>Molecular Weight</b>	81.07
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,15
Boiling point, °C	68-69
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	2735

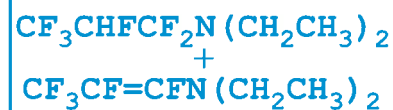
### 2,3,5,6-Tetrafluoroaniline



<b>Purity</b>	98%
<b>CAS Number</b>	[700-17-4]
<b>MDL Number</b>	MFCD00007644
<b>Molecular Formula</b>	$\text{C}_6\text{H}_3\text{F}_4\text{N}$
<b>Molecular Weight</b>	165.09
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	White solid
Density, g/sm <sup>3</sup>	1,744
Boiling point, °C	157-159
Melting point, °C	31-33
Flash point, °C	62
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	2811

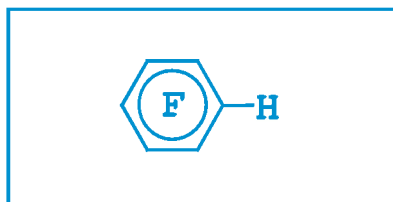
# N,N-Diethyl-1,1,2,3,3,3-hexafluoropropylamine (Ishikawa's reagent)

Purity	97%
CAS Number	[309-88-6+363-75-7]
MDL Number	MFCD00054683
Molecular Formula	C <sub>7</sub> H <sub>11</sub> F <sub>6</sub> N
Molecular Weight	223.16
Application	• fluorinating agent
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,23
Refractive Index, 20°C	1,355
Boiling point, °C	56-57/58 mm Hg
<b>Capacity</b>	<b>500 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2920



# NEW

## Pentafluorobenzene



<b>Purity</b>	98%
<b>CAS Number</b>	[363-72-4]
<b>MDL Number</b>	MFC00000286
<b>Molecular Formula</b>	$C_6HF_5$
<b>Molecular Weight</b>	168.07
<b>Application</b>	• intermediate in production of fluorochemicals
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,526
Refractive Index, 20°C	1,3918
Boiling point, °C	85-86
Melting point, °C	-48
Flash point, °C	13
<b>Capacity</b>	<b>200 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993

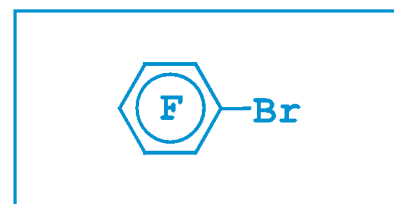
## Iodopentafluorobenzene



<b>Purity</b>	99%
<b>CAS Number</b>	[827-15-6]
<b>MDL Number</b>	MFC00001032
<b>Molecular Formula</b>	$C_6F_5I$
<b>Molecular Weight</b>	293.96
<b>Application</b>	• heat-carrying agent • dielectric • solvent • intermediate for pharmaceuticals, pesticides, heat- and radiation-resistant plastics, rubbers, films, oils, lubricants and others
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	2,212
Refractive Index, 20°C	1,3918
Boiling point, °C	163-166
Melting point, °C	-29
Flash point, °C	none
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	3334

## Bromopentafluorobenzene

<b>Purity</b>	97%
<b>CAS Number</b>	[344-04-7]
<b>MDL Number</b>	MFCD00000287
<b>Molecular Formula</b>	$C_6BrF_5$
<b>Molecular Weight</b>	246.96
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorochemicals</li> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>



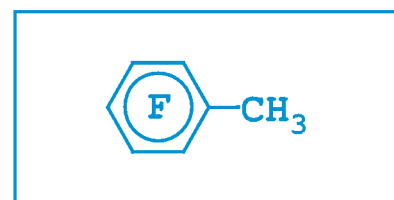
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,981
Refractive Index, 20°C	1,4490-1,4505
Boiling point, °C	135-137
Melting point, °C	-31
Flash point, °C	87

<b>Capacity</b>	150-200 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	2810

## Methylpentafluorobenzene

<b>Purity</b>	97%
<b>CAS Number</b>	[771-56-2]
<b>MDL Number</b>	MFCD00000298
<b>Molecular Formula</b>	$C_7H_3F_5$
<b>Molecular Weight</b>	182.09
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>



<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,439
Refractive Index, 20°C	1,4021-1,4030
Boiling point, °C	116-117
Melting point, °C	-30
Flash point, °C	34

<b>Capacity</b>	100 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993



## 2,3,4,5,6-Pentafluorobenzyl chloride



<b>Purity</b>	98%
<b>CAS Number</b>	[653-35-0]
<b>MDL Number</b>	MFCD00040864
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>2</sub> ClF <sub>5</sub>
<b>Molecular Weight</b>	216.54
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> <li>• agent for derivatization of organic compounds during their analysis or determination</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,59
Refractive Index, 20°C	1,4430
Boiling point, °C	162-163
<b>Capacity</b>	200 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2922

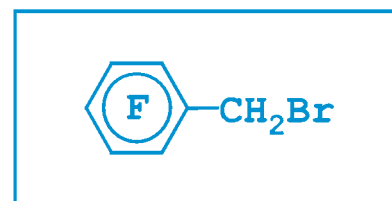
## (Dichloromethyl)pentafluorobenzene



<b>Purity</b>	97%
<b>CAS Number</b>	[652-30-2]
<b>Molecular Formula</b>	C <sub>7</sub> HCl <sub>2</sub> F <sub>5</sub>
<b>Molecular Weight</b>	250.98
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorochemicals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,46
Boiling point, °C	175-177
<b>Capacity</b>	40 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2922

## 2,3,4,5,6-Pentafluorobenzyl bromide

<b>Purity</b>	99%
<b>CAS Number</b>	[1765-40-8]
<b>MDL Number</b>	MFCD00000299
<b>Molecular Formula</b>	$C_7H_2BrF_5$
<b>Molecular Weight</b>	260.99
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> <li>• agent for derivatization of organic compounds during their analysis or determination</li> </ul>



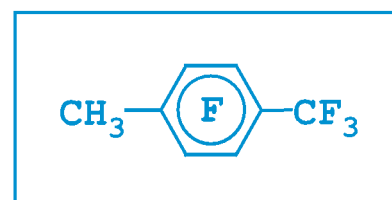
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,728
Refractive Index, 20°C	1,4710
Boiling point, °C	175-177
Melting point, °C	19-20
Flash point, °C	83

<b>Capacity</b>	200 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	3265

## 4-Methyl-2,3,5,6-tetrafluorobenzotrifluoride

<b>Purity</b>	98%
<b>CAS Number</b>	[778-35-8]
<b>MDL Number</b>	MFCD00012173
<b>Molecular Formula</b>	$C_8H_3F_7$
<b>Molecular Weight</b>	232.10
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>

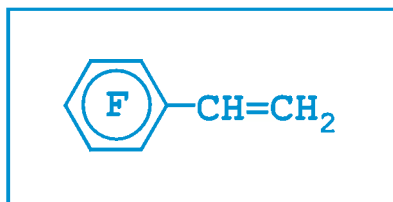


<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,528
Refractive Index, 20°C	1,3290
Boiling point, °C	143-145
Flash point, °C	41

<b>Capacity</b>	50 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	1993

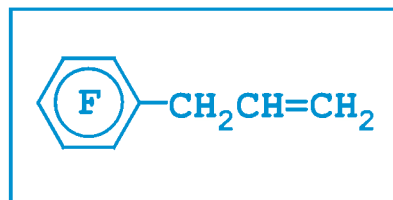
## 2,3,4,5,6-Pentafluorostyrene



**NEW**

<b>Purity</b>	97%
<b>CAS Number</b>	[653-34-9]
<b>MDL Number</b>	MFCD00000300
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>3</sub> F <sub>5</sub>
<b>Molecular Weight</b>	194.10
<b>Application</b>	• material in production of fluorine-containing elastomers
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,406
Refractive Index, 20°C	1,4414-1,4460
Boiling point, °C	140-141
Flash point, °C	34
<b>Capacity</b>	<b>50 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993

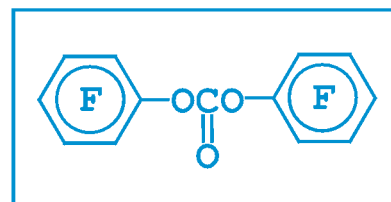
## Allylpentafluorobenzene



<b>Purity</b>	98%
<b>CAS Number</b>	[1736-60-3]
<b>MDL Number</b>	MFCD00000301
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>5</sub> F <sub>5</sub>
<b>Molecular Weight</b>	208.13
<b>Application</b>	• material in production of fluorine-containing elastomers
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,358, t=25°C
Refractive Index, 20°C	1,4270
Boiling point, °C	148-149
Flash point, °C	42
<b>Capacity</b>	<b>500 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993

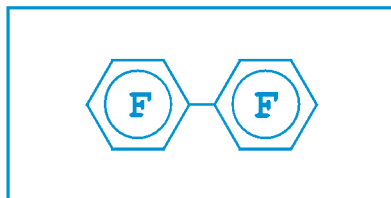
## Bis(pentafluorophenyl)carbonate

<b>Purity</b>	97%
<b>CAS Number</b>	[59483-84-0]
<b>MDL Number</b>	MFCD00368353
<b>Molecular Formula</b>	$C_{13}F_{10}O_3$
<b>Molecular Weight</b>	394.13
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorochemicals</li> </ul>
<b>Properties</b>	
Appearance	White solid
Boiling point, °C	250
Melting point, °C	49-50
Flash point, °C	110
<b>Capacity</b>	30 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	2811

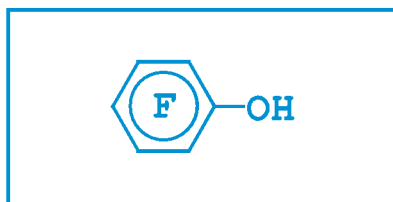


## Decafluorobiphenyl

<b>Purity</b>	99%
<b>CAS Number</b>	[434-90-2]
<b>MDL Number</b>	MFCD00000292
<b>Molecular Formula</b>	$C_{12}F_{10}$
<b>Molecular Weight</b>	334.12
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for bioactive compounds and fluoropolymers</li> </ul>
<b>Properties</b>	
Appearance	White solid
Assay, % min	99
Density, g/cm <sup>3</sup>	1,785
Boiling point, °C	206
Melting point, °C	68-69
<b>Capacity</b>	200 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	3152

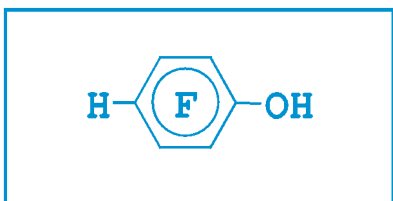


## Pentafluorophenol



<b>Purity</b>	99%
<b>CAS Number</b>	[771-61-9]
<b>MDL Number</b>	MFCD00002156
<b>Molecular Formula</b>	$C_6HF_5O$
<b>Molecular Weight</b>	184.07
<b>Application</b>	<ul style="list-style-type: none"> <li>material in production of vulcanizing fluorine-containing elastomers</li> <li>promoter in peptide synthesis</li> <li>intermediate for pharmaceuticals, herbicides and others</li> <li>intermediate for fluorochemicals</li> </ul>
<b>Properties</b>	
Appearance	White solid
Density, g/cm <sup>3</sup>	1,757
Boiling point, °C	143
Melting point, °C	34-36
Flash point, °C	72
<b>Capacity</b>	<b>500 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2811

## 2,3,5,6-Tetrafluorophenol



<b>Purity</b>	98%
<b>CAS Number</b>	[769-39-1]
<b>MDL Number</b>	MFCD00002157
<b>Molecular Formula</b>	$C_6H_2F_4O$
<b>Molecular Weight</b>	166.07
<b>Application</b>	<ul style="list-style-type: none"> <li>material in production of vulcanizing elastomers</li> <li>promoter in peptide synthesis</li> <li>intermediate for pharmaceuticals, herbicides and others</li> </ul>
<b>Properties</b>	
Appearance	White solid
Boiling point, °C	150-151
Melting point, °C	37-39
Flash point, °C	79
<b>Capacity</b>	<b>200 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1759

## Pentafluorothiophenol

<b>Purity</b>	97%
<b>CAS Number</b>	[771-62-0]
<b>MDL Number</b>	MFCD00004828
<b>Molecular Formula</b>	C <sub>6</sub> HF <sub>5</sub> S
<b>Molecular Weight</b>	200.13
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for farm- and agrochemistry</li> <li>material in production of vulcanizing fluorine-containing elastomers</li> </ul>



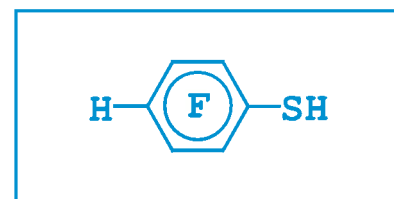
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,572
Refractive Index, 20°C	1,4650
Boiling point, °C	143-144
Melting point, °C	-24
Flash point, °C	51

<b>Capacity</b>	40-50 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3071

## 2,3,5,6-Tetrafluorothiophenol

<b>Purity</b>	97%
<b>CAS Number</b>	[769-40-4]
<b>MDL Number</b>	MFCD00004829
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>2</sub> F <sub>4</sub> S
<b>Molecular Weight</b>	182.14
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorochemicals</li> <li>material in production of vulcanizing fluorine-containing elastomers</li> </ul>



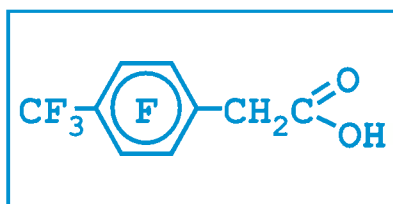
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,5
Refractive Index, 20°C	1,4865
Boiling point, °C	152-153
Flash point, °C	48

<b>Capacity</b>	40-50 kg per month
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<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3071

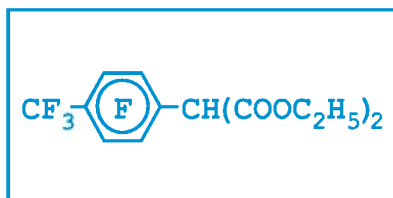
# NEW

## 2,3,5,6-Tetrafluoro-4-(trifluoromethyl)phenylacetic acid



<b>Purity</b>	97%
<b>CAS Number</b>	[32304-29-3]
<b>MDL Number</b>	MFCD00559327
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>3</sub> F <sub>7</sub> O <sub>2</sub>
<b>Molecular Weight</b>	276.11
<b>Application</b>	• intermediate for agrochemicals and pharmaceuticals
<b>Properties</b>	
Appearance	Wight solid
Melting point, °C	77-80
<b>Capacity</b>	100 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	3261

## Diethyl 4-(trifluoromethyl)tetrafluorophenylmalonate



<b>Purity</b>	97%
<b>CAS Number</b>	[55810-48-5]
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>11</sub> F <sub>7</sub> O <sub>4</sub>
<b>Molecular Weight</b>	376.23
<b>Application</b>	• intermediate for agrochemicals and pharmaceuticals
<b>Properties</b>	
Appearance	Colorless liquid
Assay, % min	97
Refractive Index, 20°C	1,4272
Boiling point, °C	122-125/5 mm Hg
<b>Capacity</b>	100 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	3272

## Pentafluoropropionic acid

<b>Purity</b>	98%
<b>CAS Number</b>	[422-64-0]
<b>MDL Number</b>	MFCD00004170
<b>Molecular Formula</b>	$C_3HF_5O_2$
<b>Molecular Weight</b>	164.03
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> <li>• as monomer in fluoropolymer production</li> </ul>



### Properties

Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,561
Refractive Index, 20°C	1,2840
Boiling point, °C	96-98
Flash point, °C	none

**Capacity** 500 kg per month

<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	3265

## Pentafluoropropionic anhydride

<b>Purity</b>	99%
<b>CAS Number</b>	[356-42-3]
<b>MDL Number</b>	MFCD00000429
<b>Molecular Formula</b>	$C_6F_{10}O_3$
<b>Molecular Weight</b>	310.05
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

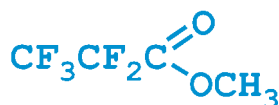
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,589
Refractive Index, 20°C	1,273
Boiling point, °C	71-72
Flash point, °C	none

**Capacity** 200 kg per month

<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	3265

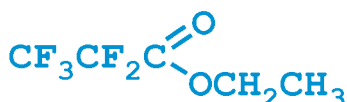


## Methyl pentafluoropropionate



<b>Purity</b>	99%
<b>CAS Number</b>	[378-75-6]
<b>MDL Number</b>	MFC00000430
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>3</sub> F <sub>5</sub> O <sub>2</sub>
<b>Molecular Weight</b>	178.06
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,393
Refractive Index, 20°C	1,2884
Boiling point, °C	61-62
Flash point, °C	-1
<b>Capacity</b>	1500 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3272

## Ethyl pentafluoropropionate



<b>Purity</b>	99%
<b>CAS Number</b>	[426-65-3]
<b>MDL Number</b>	MFC00000431
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>5</sub> F <sub>5</sub> O <sub>2</sub>
<b>Molecular Weight</b>	192.09
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> <li>as monomer in fluoropolymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,299
Refractive Index, 20°C	1,3010
Boiling point, °C	75-76
Flash point, °C	1
<b>Capacity</b>	1000 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3272

## Heptafluorobutyric anhydride

Purity	99%
CAS Number	[336-59-4]
MDL Number	MFCD00000432
Molecular Formula	$C_8F_{14}O_3$
Molecular Weight	410.06
Application	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds</li> </ul>



### Properties

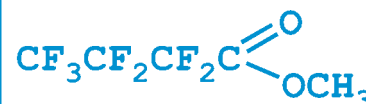
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,665
Refractive Index, 20°C	1,2870
Boiling point, °C	108-109
Melting point, °C	-43
Flash point, °C	none

**Capacity** 200 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**№ UN** 3265

## Methyl heptafluorobutyrate

Purity	98%
CAS Number	[356-24-1]
MDL Number	MFCD00000433
Molecular Formula	$C_5H_3F_7O_2$
Molecular Weight	228.07
Application	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,48
Refractive Index, 20°C	1,2928-1,2970
Boiling point, °C	80-81

**Capacity** 300 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**№ UN** 3272

## Bromodifluoroacetic acid



<b>Purity</b>	98%
<b>CAS Number</b>	[354-08-5]
<b>MDL Number</b>	MFCD02183519
<b>Molecular Formula</b>	$\text{C}_2\text{HBrF}_2\text{O}_2$
<b>Molecular Weight</b>	174.93
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds for pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	White solid
Boiling point, °C	139-140
Melting point, °C	40
<b>Capacity</b>	500 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3261

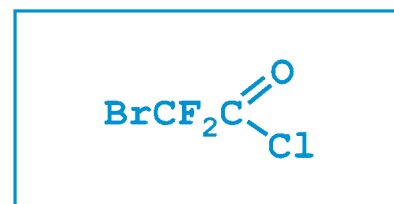
## Bromodifluoroacetic anhydride



<b>Purity</b>	98%
<b>CAS Number</b>	[7601-98-1]
<b>MDL Number</b>	MFCD24842567
<b>Molecular Formula</b>	$\text{C}_4\text{Br}_2\text{F}_4\text{O}_3$
<b>Molecular Weight</b>	331.84
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds for pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Refractive Index, 25°C	1,3912
Boiling point, °C	122-124
<b>Capacity</b>	150 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3265

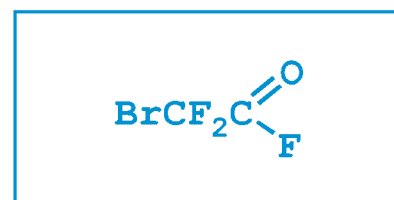
## Bromodifluoroacetyl chloride

<b>Purity</b>	99%
<b>CAS Number</b>	[3832-48-2]
<b>MDL Number</b>	MFCD00069081
<b>Molecular Formula</b>	C <sub>2</sub> BrClF <sub>2</sub> O
<b>Molecular Weight</b>	193.37
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds for pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,82
Refractive Index, 20°C	1,3853
Boiling point, °C	50
<b>Capacity</b>	250 kg per month
<b>Packing</b>	Steel cylinders UN-approved, volume 14 L, 38 L and 50 L
<b>No UN</b>	3265



## Bromodifluoroacetyl fluoride

<b>Purity</b>	97%
<b>CAS Number</b>	[38126-07-7]
<b>MDL Number</b>	MFCD00153689
<b>Molecular Formula</b>	C <sub>2</sub> BrF <sub>3</sub> O
<b>Molecular Weight</b>	176.92
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Gas
Boiling point, °C	-2—0
<b>Capacity</b>	150 kg per month
<b>Packing</b>	Steel cylinders UN-approved, volume 14 L, 38 L and 50 L
<b>No UN</b>	3265



## Chlorodifluoroacetic anhydride



<b>Purity</b>	98%
<b>CAS Number</b>	[2834-23-3]
<b>MDL Number</b>	MFC00000774
<b>Molecular Formula</b>	$\text{C}_4\text{Cl}_2\text{F}_4\text{O}_3$
<b>Molecular Weight</b>	242.94
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,395
Refractive Index, 20°C	1,347
Boiling point, °C	93-96
Flash point, °C	none
<b>Capacity</b>	300 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3265

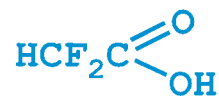
## Chlorodifluoroacetyl chloride



<b>Purity</b>	99%
<b>CAS Number</b>	[354-24-5]
<b>MDL Number</b>	MFC00039317
<b>Molecular Formula</b>	$\text{C}_2\text{Cl}_2\text{F}_2\text{O}$
<b>Molecular Weight</b>	148.92
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,76
Boiling point, °C	26-27
<b>Capacity</b>	250 kg per month
<b>Packing</b>	Steel cylinders UN-approved, volume 14 L, 38 L and 50 L
<b>No UN</b>	3265

## Difluoroacetic acid

<b>Purity</b>	98%
<b>CAS Number</b>	[381-73-7]
<b>MDL Number</b>	MFCD00004220
<b>Molecular Formula</b>	$C_2H_2F_2O_2$
<b>Molecular Weight</b>	96.03
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,526
Refractive Index, 20°C	1,3428-1,3440
Boiling point, °C	132-134
Melting point, °C	-1
Flash point, °C	78

**Capacity** 300-350 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**No UN** 3265

## Difluoroacetic anhydride

<b>Purity</b>	97%
<b>CAS Number</b>	[401-67-2]
<b>MDL Number</b>	MFCD02093315
<b>Molecular Formula</b>	$C_4H_2F_4O_3$
<b>Molecular Weight</b>	174.05
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

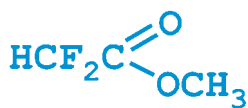
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,4
Refractive Index, 20°C	1,336
Boiling point, °C	125-127

**Capacity** 100 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**No UN** 3265

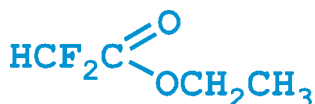
## CARBOXYLIC ACID DERIVATIVES

### Methyl difluoroacetate



<b>Purity</b>	98%
<b>CAS Number</b>	[433-53-4]
<b>MDL Number</b>	MFCD00039276
<b>Molecular Formula</b>	$\text{C}_3\text{H}_4\text{F}_2\text{O}_2$
<b>Molecular Weight</b>	110.06
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,272
Refractive Index, 20°C	1,3514
Boiling point, °C	86-87
Flash point, °C	19
<b>Capacity</b>	<b>250 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3272

### Ethyl difluoroacetate



<b>Purity</b>	99%
<b>CAS Number</b>	[454-31-9]
<b>MDL Number</b>	MFCD00013578
<b>Molecular Formula</b>	$\text{C}_4\text{H}_6\text{F}_2\text{O}_2$
<b>Molecular Weight</b>	124.09
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,241
Refractive Index, 20°C	1,3465-1,3485
Boiling point, °C	98-99
Flash point, °C	25
<b>Capacity</b>	<b>500 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3272

## Difluoroacetyl chloride

<b>Purity</b>	97%
<b>CAS Number</b>	[381-72-6]
<b>MDL Number</b>	MFCD00190230
<b>Molecular Formula</b>	C <sub>2</sub> HClF <sub>2</sub> O
<b>Molecular Weight</b>	114.48
<b>Application</b>	• intermediate for agrochemicals and pharmaceuticals
<b>Quality Data:</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,66
Boiling point, °C	25-30
<b>Capacity</b>	<b>250 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	3265



# NEW

## Difluoroacetonitrile

<b>Purity</b>	97%
<b>CAS Number</b>	[359-12-6]
<b>MDL Number</b>	MFCD01673031
<b>Molecular Formula</b>	C <sub>2</sub> HF <sub>2</sub> N
<b>Molecular Weight</b>	77.03
<b>Application</b>	• intermediate for agrochemicals and pharmaceuticals
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,113
Boiling point, °C	22-23
<b>Capacity</b>	<b>50 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	2810

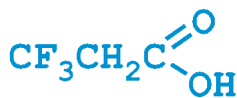


# NEW



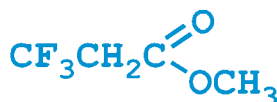
## CARBOXYLIC ACID DERIVATIVES

### 3,3,3-Trifluoropropionic acid



<b>Purity</b>	97%
<b>CAS Number</b>	[2516-99-6]
<b>MDL Number</b>	MFCD00153292
<b>Molecular Formula</b>	$\text{C}_3\text{H}_3\text{F}_3\text{O}_2$
<b>Molecular Weight</b>	128.05
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,45
Refractive Index, 20°C	1,333
Boiling point, °C	145-147
Melting point, °C	9,7
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3265

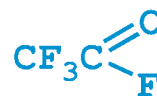
### Methyl 3,3,3-trifluoropropionate



<b>Purity</b>	97%
<b>CAS Number</b>	[188430-44-9]
<b>MDL Number</b>	MFCD02262206
<b>Molecular Formula</b>	$\text{C}_4\text{H}_5\text{F}_3\text{O}_2$
<b>Molecular Weight</b>	128.05
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,317
Refractive Index, 20°C	1,3282-1,3346
Boiling point, °C	95-96
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3272

## Trifluoroacetyl fluoride

Purity	97%
CAS Number	[354-34-7]
MDL Number	MFCDD00042075
Molecular Formula	C <sub>2</sub> F <sub>4</sub> O
Molecular Weight	116.02
Application	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Quality Data:</b>	
Appearance	Gas
Boiling point, °C	-59
Flash point, °C	none
<b>Capacity</b>	<b>50 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	3308



# NEW

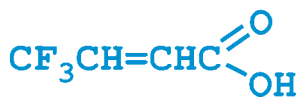
## Octafluoroadipodinitrile

Purity	97%
CAS Number	[376-53-4]
MDL Number	MFCDD00155894
Molecular Formula	C <sub>6</sub> F <sub>8</sub> N <sub>2</sub>
Molecular Weight	252.07
Application	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,45
Refractive Index, 24°C	1,2855
Boiling point, °C	61-63
<b>Capacity</b>	<b>30 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	3276



# NEW

## 4,4,4-Trifluorocrotonic acid



# NEW

<b>Purity</b>	97%
<b>CAS Number</b>	[71027-02-6] (E) [406-94-0]
<b>MDL Number</b>	MFCD02181180
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>3</sub> F <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight</b>	140.06
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	White solid
Boiling point, °C	145-153
Melting point, °C	54-56
<b>Capacity</b>	100 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	3261

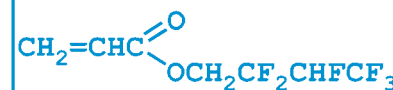
## Ethyl 4,4,4-trifluorocrotonate



<b>Purity</b>	99%
<b>CAS Number</b>	(E)[25597-16-4]
<b>MDL Number</b>	MFCD00009903
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>7</sub> F <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight</b>	168.12
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,125
Refractive Index, 20°C	1,3597-1,3608
Boiling point, °C	115-120
Flash point, °C	25
<b>Capacity</b>	100 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993

## 2,2,3,4,4,4-Hexafluorobutyl acrylate

<b>Purity</b>	99%
<b>CAS Number</b>	[54052-90-3]
<b>MDL Number</b>	MFCD00044091
<b>Molecular Formula</b>	$C_7H_6F_6O_2$
<b>Molecular Weight</b>	236.12
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in fluoropolymer production</li> </ul>



### Properties

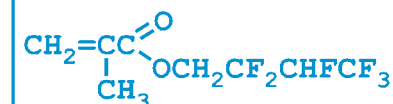
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,389
Refractive Index, 20°C	1,3520
Boiling point, °C	40-43/8 mm Hg
Flash point, °C	60

**Capacity** 300 kg per month

<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	3272

## 2,2,3,4,4,4-Hexafluorobutyl methacrylate

<b>Purity</b>	99%
<b>CAS Number</b>	[36405-47-7]
<b>MDL Number</b>	MFCD00042311
<b>Molecular Formula</b>	$C_8H_8F_6O_2$
<b>Molecular Weight</b>	250.14
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in fluoropolymer production</li> </ul>



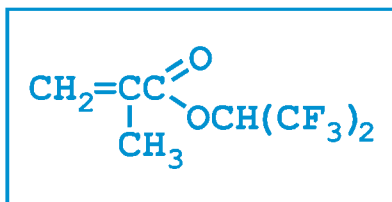
### Properties

Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,352
Refractive Index, 20°C	1,3620
Boiling point, °C	70/50 mm Hg
Flash point, °C	56

**Capacity** 300 kg per month

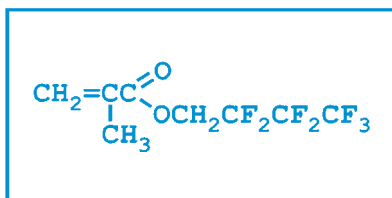
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	3272

## 1,1,1,3,3,3-Hexafluoroisopropyl methacrylate



<b>Purity</b>	99%
<b>CAS Number</b>	[3063-94-3]
<b>MDL Number</b>	MFCD00040105
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>6</sub> F <sub>6</sub> O <sub>2</sub>
<b>Molecular Weight</b>	236.11
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in fluoropolymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,32
Refractive Index, 20°C	1,3310
Boiling point, °C	99
Flash point, °C	14
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3272

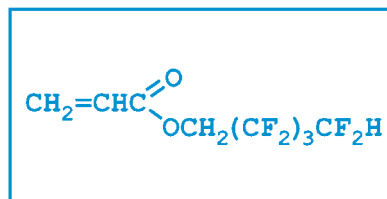
## 2,2,3,3,4,4,4-Heptafluorobutyl methacrylate



<b>Purity</b>	98%
<b>CAS Number</b>	[13695-31-3]
<b>MDL Number</b>	MFCD00039251
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>7</sub> F <sub>7</sub> O <sub>2</sub>
<b>Molecular Weight</b>	236.11
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in fluoropolymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,345
Refractive Index, 20°C	1,3420
Boiling point, °C	55-56/30 mm Hg
Flash point, °C	36
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3272

# 1H,1H,5H-Octafluoropentyl acrylate

<b>Purity</b>	99%
<b>CAS Number</b>	[376-84-1]
<b>MDL Number</b>	MFCD00039279
<b>Molecular Formula</b>	$C_8H_6F_8O_2$
<b>Molecular Weight</b>	286.12
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in polymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,481
Refractive Index, 20°C	1,3460
Boiling point, °C	122/140 mm Hg
Flash point, °C	71
<b>Capacity</b>	<b>300 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	3272



## Heptafluoropropyl trifluorovinyl ether



<b>Purity</b>	99%+
<b>CAS Number</b>	[1623-05-8]
<b>MDL Number</b>	MFCD00236685
<b>Molecular Formula</b>	C <sub>5</sub> F <sub>10</sub> O
<b>Molecular Weight</b>	266.04
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in fluoropolymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,581
Boiling point, °C	35-36
Melting point, °C	-70
<b>Capacity</b>	<b>300 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993

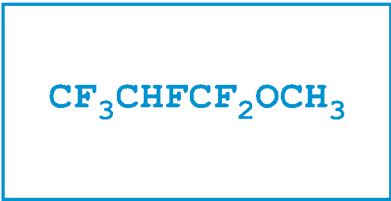
## 2-Bromotetrafluoroethyl trifluorovinyl ether



<b>Purity</b>	98%
<b>CAS Number</b>	[85737-06-0]
<b>MDL Number</b>	MFCD02183517
<b>Molecular Formula</b>	C <sub>4</sub> BrF <sub>7</sub> O
<b>Molecular Weight</b>	276.94
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• monomer in polymer production</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,82
Boiling point, °C	55
Flash point, °C	none
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L
<b>No UN</b>	2810

# 1,1,2,3,3,3-Hexafluoropropyl methyl ether

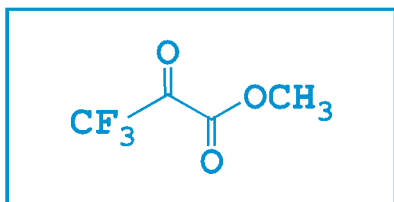
<b>Purity</b>	98%
<b>CAS Number</b>	[382-34-3]
<b>MDL Number</b>	MFCD00041537
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>4</sub> F <sub>6</sub> O
<b>Molecular Weight</b>	182.07
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorocompounds</li> <li>• solvent • frothing agent in production of polyurethane foam</li> <li>• propellant • antifreeze (cooling liquid)</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,419
Refractive Index, 20°C	1,2802-1,2850
Boiling point, °C	54-55
<b>Capacity</b>	<b>500 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	1993





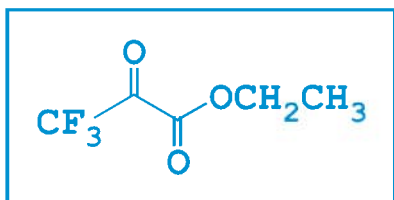
## KETOESTERS

### Methyl trifluoropyruvate



<b>Purity</b>	98%
<b>CAS Number</b>	[13089-11-7]
<b>MDL Number</b>	MFCD00114936
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>3</sub> F <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight</b>	156.06
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate in production of fluorocompounds</li><li>• material in synthesis of semiproducts for pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,528
Refractive Index, 20°C	1,328-1,332
Boiling point, °C	84-86
Flash point, °C	26
<b>Capacity</b>	<b>300 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993

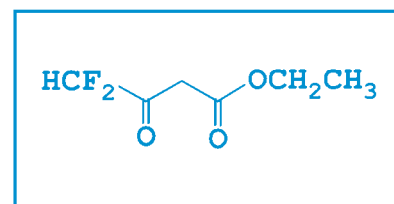
### Ethyl trifluoropyruvate



<b>Purity</b>	98%
<b>CAS Number</b>	[13081-18-0]
<b>MDL Number</b>	MFCD00114935
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>5</sub> F <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight</b>	170.09
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate in production of fluorocompounds for pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,283
Refractive Index, 20°C	1,3410
Boiling point, °C	100-102
Flash point, °C	31
<b>Capacity</b>	<b>300 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993

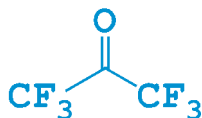
## Ethyl 4,4-difluoroacetoacetate

<b>Purity</b>	95%
<b>CAS Number</b>	[352-24-9]
<b>MDL Number</b>	MFCD00039277
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>8</sub> F <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	166.12
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,61
Refractive Index, 20°C	1,407
Boiling point, °C	160-161
Melting point, °C	-45,5
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	3272



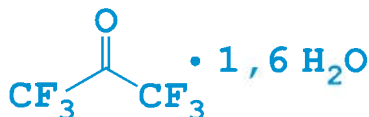
## KETONES

### Hexafluoroacetone



<b>Purity</b>	98%
<b>CAS Number</b>	[684-16-2]
<b>MDL Number</b>	MFC000000422
<b>Molecular Formula</b>	C <sub>3</sub> F <sub>6</sub> O
<b>Molecular Weight</b>	166.02
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate in production of fluorocompounds for pharmaceuticals</li><li>monomer in fluoropolymer production</li></ul>
<b>Properties</b>	
Appearance	Gaz
Density, g/sm <sup>3</sup>	1,320
Boiling point, °C	-28
Melting point, °C	-129
Flash point, °C	none
<b>Capacity</b>	<b>300 kg per month</b>
<b>Packing</b>	Steel cylinders UN-approved, volume 14 L, 38 L, 50 L
<b>Nº UN</b>	2420

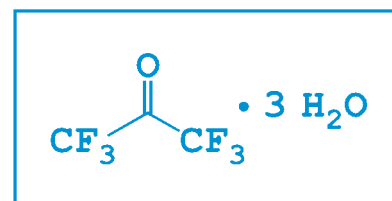
### Hexafluoroactetone sesquihydrate



<b>Purity</b>	98%
<b>CAS Number</b>	[13098-39-0]
<b>MDL Number</b>	MFC06800792
<b>Molecular Formula</b>	C <sub>3</sub> F <sub>6</sub> O · 1,6H <sub>2</sub> O
<b>Molecular Weight</b>	194.85
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate in production of fluorocompounds for pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,69
Refractive Index, 20°C	1,306-1,311
Boiling point, °C	104-106
Melting point, °C	10-15
<b>Capacity</b>	<b>1000 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L, 100 L, 250 L
<b>Nº UN</b>	2552

## Hexafluoroacetone trihydrate

<b>Purity</b>	98%
<b>CAS Number</b>	[34202-69-2]
<b>MDL Number</b>	MFCD00149061
<b>Molecular Formula</b>	$C_3F_6O \cdot 3H_2O$
<b>Molecular Weight</b>	220.05
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds for pharmaceuticals</li> </ul>



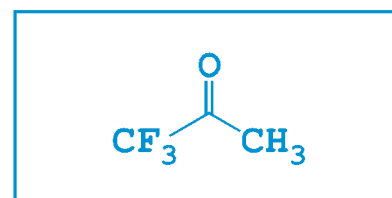
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,579
Refractive Index, 20°C	1,3190
Boiling point, °C	105-106
Melting point, °C	18-21
Flash point, °C	none

**Capacity** 1000 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L, 100 L, 250 L  
**No UN** 2552

## 1,1,1-Trifluoroacetone

<b>Purity</b>	99%
<b>CAS Number</b>	[421-50-1]
<b>MDL Number</b>	MFCD00000423
<b>Molecular Formula</b>	$C_3H_3F_3O$
<b>Molecular Weight</b>	112.05
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



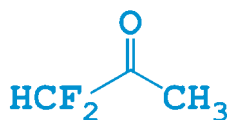
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,252
Refractive Index, 20°C	1,3
Boiling point, °C	22
Flash point, °C	-30

**Capacity** 150 kg per month

**Packing** Stell cylinders UN-approved, volume 13L, 38L, 48L  
**No UN** 1993

## KETONES

### 1,1-Difluoroacetone



<b>Purity</b>	97%
<b>CAS Number</b>	[431-05-0]
<b>MDL Number</b>	MFCD02262166
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> O
<b>Molecular Weight</b>	94.06
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,16
Refractive Index, 20°C	1,328
Boiling point, °C	46
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1993

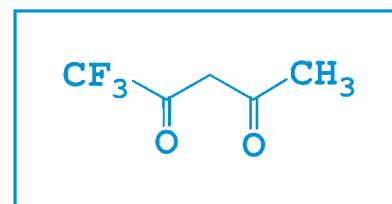
### 1,1,1,5,5,5-Hexafluoroacetylacetone



<b>Purity</b>	99%
<b>CAS Number</b>	[1522-22-1]
<b>MDL Number</b>	MFCD00000426
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>2</sub> F <sub>6</sub> O <sub>2</sub>
<b>Molecular Weight</b>	208.06
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,486
Refractive Index, 20°C	1,3320
Boiling point, °C	70-71
Flash point, °C	32
<b>Capacity</b>	<b>150 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2920

## 1,1,1-Trifluoroacetylacetone

<b>Purity</b>	99%
<b>CAS Number</b>	[367-57-7]
<b>MDL Number</b>	MFCD00000427
<b>Molecular Formula</b>	$C_5H_5F_3O_2$
<b>Molecular Weight</b>	154.09
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

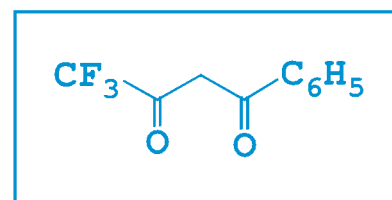
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,281
Refractive Index, 20°C	1,379-1,389
Boiling point, °C	107
Flash point, °C	21

**Capacity** 150 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**№ UN** 1993

## 1-Phenyl-4,4,4-trifluorobutane-1,3-dione

<b>Purity</b>	97%
<b>CAS Number</b>	[326-06-7]
<b>MDL Number</b>	MFCD00000425
<b>Molecular Formula</b>	$C_{10}H_7F_3O_2$
<b>Molecular Weight</b>	216.16
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate for agrochemicals and pharmaceuticals</li> </ul>



### Properties

Appearance	Pale yellow solid
Boiling point, °C	224
Melting point, °C	39-40
Flash point, °C	98

**Capacity** 150 kg per month

**Packing** Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.  
**№ UN** 2811

## OXIRANES

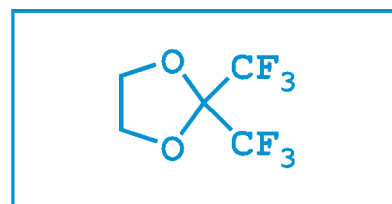
### (Trifluoromethyl)oxirane



<b>Purity</b>	99%
<b>CAS Number</b>	[359-41-1]
<b>MDL Number</b>	MFCD00041506
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> O
<b>Molecular Weight</b>	112.05
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,382
Refractive Index, 20°C	1,2997-1,3050
Boiling point, °C	39-40
Flash point, °C	-40
<b>Capacity</b>	<b>50 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	1992

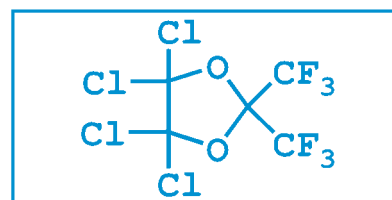
## 2,2-Bis(trifluoromethyl)-1,3-dioxolane

<b>Purity</b>	97%
<b>CAS Number</b>	[1765-26-0]
<b>MDL Number</b>	MFCD00191832
<b>Molecular Formula</b>	$C_5H_4F_6O_2$
<b>Molecular Weight</b>	210.07
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorochemicals</li> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,53
Refractive Index, 20°C	1,312
Boiling point, °C	101-103
<b>Capacity</b>	300 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	1992



## 2,2-Bis(trifluoromethyl)tetrachloro-1,3-dioxolane

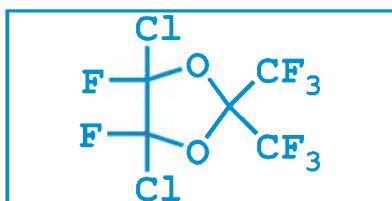
<b>Purity</b>	95%
<b>CAS Number</b>	[64499-81-6]
<b>MDL Number</b>	MFCD16619610
<b>Molecular Formula</b>	$C_5Cl_4F_6O_2$
<b>Molecular Weight</b>	347.86
<b>Application</b>	<ul style="list-style-type: none"> <li>• intermediate in production of fluorochemicals</li> <li>• intermediate for agrochemicals and pharmaceuticals</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Boiling point, °C	56/25 mm Hg
<b>Capacity</b>	100 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>№ UN</b>	1992





## OXYGENCONTAINING HETEROCYCLES

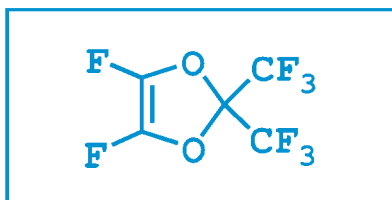
### 2,2-Bis(trifluoromethyl)-4,5-dichloro-4,5-difluoro-1,3-dioxolane



**NEW**

<b>Purity</b>	97%
<b>CAS Number</b>	[60644-92-0]
<b>MDL Number</b>	MFCD01937893
<b>Molecular Formula</b>	C <sub>5</sub> Cl <sub>2</sub> F <sub>8</sub> O <sub>2</sub>
<b>Molecular Weight</b>	314.95
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate in production of fluorochemicals</li><li>• intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,587
Refractive Index, 22°C	1,3196
Boiling point, °C	88-90
<b>Capacity</b>	40 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1992

### Perfluoro(2,2-dimethyl-1,3-dioxole)



**NEW**

<b>Purity</b>	97%
<b>CAS Number</b>	[37697-64-6]
<b>MDL Number</b>	MFCD06245595
<b>Molecular Formula</b>	C <sub>5</sub> F <sub>8</sub> O <sub>2</sub>
<b>Molecular Weight</b>	244.04
<b>Application</b>	<ul style="list-style-type: none"><li>• intermediate in production of fluorochemicals</li><li>• intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,53
Refractive Index, 22°C	1,312
Boiling point, °C	101-103
<b>Capacity</b>	20 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	1992

## Trimethyl(trifluoromethyl)silane

<b>Purity</b>	99%
<b>CAS Number</b>	[81290-20-2]
<b>MDL Number</b>	MFCD00145454
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>9</sub> F <sub>3</sub> Si
<b>Molecular Weight</b>	142.20
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Assay, % min	99
Density, g/sm <sup>3</sup>	0,96
Refractive Index, 20°C	1,3320
Boiling point, °C	54-55
Flash point, °C	-16
<b>Capacity</b>	500 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	1993



## (Difluoromethyl)trimethylsilane

<b>Purity</b>	97%
<b>CAS Number</b>	[65864-64-4]
<b>MDL Number</b>	MFCD19381658
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>10</sub> F <sub>2</sub> Si
<b>Molecular Weight</b>	124.20
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Boiling point, °C	70-72
<b>Capacity</b>	10 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	1993



## SILANES

### Triethyl(trifluoromethyl)silane



<b>Purity</b>	96%
<b>CAS Number</b>	[120120-26-5]
<b>MDL Number</b>	MFCD00192520
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>15</sub> F <sub>3</sub> Si
<b>Molecular Weight</b>	184.28
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate for agrochemicals and pharmaceuticals</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	0,98
Refractive Index, 20°C	1,382
Boiling point, °C	56-58/ 60 mm Hg
Flash point, °C	0
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993

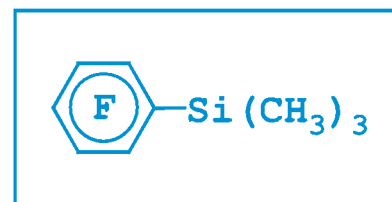
### Trimethyl(pentafluoroethyl)silane



<b>Purity</b>	97%
<b>CAS Number</b>	[124898-13-1]
<b>MDL Number</b>	MFCD04116436
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>9</sub> F <sub>5</sub> Si
<b>Molecular Weight</b>	192.20
<b>Application</b>	<ul style="list-style-type: none"><li>intermediate in production of fluorocompounds</li></ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,05
Refractive Index, 20°C	1,3270
Boiling point, °C	70
<b>Capacity</b>	<b>100 kg per month</b>
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Nº UN</b>	1993

## Trimethyl(pentafluorophenyl) silane

<b>Purity</b>	98%
<b>CAS Number</b>	[1206-46-8]
<b>MDL Number</b>	MFCD00092630
<b>Molecular Formula</b>	$C_9H_9F_5Si$
<b>Molecular Weight</b>	240.25
<b>Application</b>	<ul style="list-style-type: none"> <li>intermediate in production of fluorocompounds</li> </ul>
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/sm <sup>3</sup>	1,261
Refractive Index, 20°C	1,4330
Boiling point, °C	170-172
Flash point, °C	54
<b>Capacity</b>	500 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>Ne UN</b>	1993



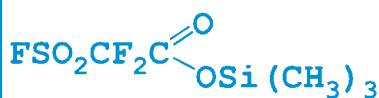
## Pentafluorobenzenesulfonyl chloride



# NEW

<b>Purity</b>	97%
<b>CAS Number</b>	[832-53-1]
<b>MDL Number</b>	MFC000007427
<b>Molecular Formula</b>	C <sub>6</sub> ClF <sub>5</sub> O <sub>2</sub> S
<b>Molecular Weight</b>	266.58
<b>Application</b>	• intermediate for agrochemicals and pharmaceuticals
<b>Properties</b>	
Appearance	Colorless liquid
Density, g/cm <sup>3</sup>	1,796
Refractive Index, 20°C	1,4790
Boiling point, °C	210-211
Flash point, °C	90
<b>Capacity</b>	50 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	3265

## Trimethylsilyl 2-(fluorosulfonyl)difluoroacetate



# NEW

<b>Purity</b>	97%
<b>CAS Number</b>	[120801-75-4]
<b>MDL Number</b>	MFC02093343
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>9</sub> F <sub>3</sub> O <sub>4</sub> SSi
<b>Molecular Weight</b>	250.27
<b>Application</b>	• intermediate for agrochemicals and pharmaceuticals
<b>Properties</b>	
Appearance	Colorless liquid
Boiling point, °C	156
Flash point, °C	26
<b>Capacity</b>	50 kg per month
<b>Packing</b>	Plastic container UN-approved, volume 10 L, 20 L, 30 L etc.
<b>No UN</b>	2920





～ お問い合わせ先はこちらまで ～

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