



An ISO 9001 : 2008 Certified Manufacturing Co.

**Infinium  
Pharmachem  
Pvt. Ltd.**

#### Corporate Office Address

Suite # 205, Sigma Prime, Second Floor Nr. Sardar Patel Statue  
Vallabh Vidyanagar, Dist. Anand - 388 121 Gujarat, India.  
Tele/ Fax : ++91-2692-238849 , 238850  
Email: info@infiniumpharmachem.com infinium\_11@yahoo.com  
Web : www.infiniumpharmachem.com  
R.O. & Factory Address:-  
Plot No.38 - 39 GIDC Sojitra - 387240 Dist. Anand  
Gujarat - India Tel / Fax : ++91-2697- 234987

## A MATERIAL SAFETY DATA SHEET

### BIS-TRIFLORO ACETOXY IODOBENZENE

#### 1.1 Product Identifiers:

**Product Name** : Bis-Trifluoro acetoxy iodobenzene

**CAS No** : 2712-78-9

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

#### 1.3 Details of the supplier of the safety data sheet

**Supplier:** Infinium Pharmachem Pvt. Ltd. (AN ISO 9001:2008 CERTIFIEDCO.)  
38, G.I.D.C, Sojitra

Dist: ANAND

Gujarat, India

**Tel** : 0091-2697-234987

**Fax** : 0091-2697-234987

**Email** : [info@infiniumpharmachem.com](mailto:info@infiniumpharmachem.com)

#### Synonyms

: IODOSOBENZENE I,I-BIS(TRIFLUOROACETATE),IODINE,  
PHENYLBIS(TRIFLUOROACETATO)-IODOBENZENE  
BIS(TRIFLUOROACETATE),IODOBENZENE I,I-  
BIS(TRIFLUOROACETATE),BTI,BIS(TRIFLUORACETOXY)- IODOBENZENE,  
[BIS(TRIFLUOROACETOXY)IODO]BENZENE,PIFA,BTI~Iodosobenzene  
bis(trifluoroacetate)~Phenyl iodine(III) bis(trifluoroacetate)~PIFA,phenylbis(trifluoroacetato-  
O)iodine,Bis-Trifluoroacetoxyiodobenzene99%,Bis-Trifluoroacetoxyiodobenzene  
99%,Iodosobenzene-bis(trifluoroacetate),Phenyl iodine(III)bis(trifluoroacetate)Iodine,  
phenylbis(trifluoroacetato-.kappa.O)-bis(I,I-



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trifluoroacetoxy)iodobenzene, Bis(trifluoroacetoxy)iodobenzene, 97% BTI, Iodobenzene I,I-bis(trifluoroacetate), PIFA, [Bis(trifluoroacetoxy)iodo(III)]benzene, [Di(trifluoroacetoxy)iodo(III)]benzene, Bis(trifluoroacetic acid)phenyliodine(III) salt, Phenylbis(trifluoroacetyloxy) iodine(III), [Bis(trifluoroacetoxy)iodo]benzene, 98% 1Bis-trifluoroacetoxyiodobenzene [Bis(trifluoroethoxy)iodo]benzene [Bis(trifluoroacetoxy)iodo]benzene, BTI, Iodobenzene I,I-bis(trifluoroacetate), PIFA [Bis(trifluoroacetoxy)iodo]benzene, 98% 10GR [Bis(trifluoroacetoxy)iodo]benzene, 98% 50GR BIS(TRIFLUOROACETOXY)IODOBENZENE FOR SYN, [Bis(trifluoroacetoxy)](phenyl)iodane

**CAS No.** : 2712-78-9

**Molecular Weight** : 430,04 g/mol

**Chemical Formula** : C<sub>10</sub>H<sub>5</sub>F<sub>6</sub>IO<sub>4</sub>

### 3.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), H335

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

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi                      Irritant                      R36/37/38

For the full text of the R-phrases mentioned in this Section, see Section 16.

### 3.2 Label elements



Pictogram

Signal word                      warning

Hazard statement(s)

H315                      Causes skin irritation.



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H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
Precautionary statement(s)	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard	none

Statements

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

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.

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.

#### 4.2 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.

#### 4.3 Indication of any immediate medical attention and special treatment needed

no data available



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### **5.1 Extinguishing Media:**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides, Hydrogen fluoride, Hydrogen iodide

### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **5.4 Further Information**

no data available

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

### **7.1 Precautions for safe Handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

### **7.2 Conditions for safe Storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.



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Light sensitive. Store under inert gas. Moisture sensitive.

### 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8.1 Control parameters

### Components with workplace control Parameters.

#### 8.2 Exposure Controls

##### 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.



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## 9.1 Information on Basic physical & chemical properties

a) Appearance	Form: crystalline
b) Odor	Colour: light yellow
c) Odor Threshold	no data available
d) pH	no data available
e) Melting point/freezing Point	no data available
f) Initial boiling point and Boiling range	Melting point/range: 121 - 125 °C
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower Flammability or explosive limits	no data available
k) Vapor pressure	no data available
l) Vapor density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol /water	no data available
p) Auto ignition Temperature	no data available
q) Decomposition Temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

## 9.2 Other safety Information

no data available

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

no data available.

### 10.3 Possibility of hazardous reactions

no data available



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#### 10.4 Conditions to avoid

no data available

#### 10.5 Incompatible materials

Strong bases.

#### 10.6 Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

#### 11.1 Information on toxicological effects

##### 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

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.

##### Reproductive toxicity

no data available

##### Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

##### Specific target organ toxicity - repeated exposure



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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.

#### **12.1 Persistence and degradability**

##### **12.1 Toxicity**

no data available

##### **12.2 Persistence and degradability**

no data available

##### **12.3 Bioaccumulative potential**

no data available

##### **12.4 Mobility in soil**

no data available

##### **12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

##### **12.6 Other adverse effects**

no data available.

#### **13.1 Waste treatment methods**

##### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber..

##### **Contaminated packaging**





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Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: -                      IMDG: -                      IATA: -

### 14.2 UN proper shipping name

ADR/RID:                      Not dangerous goods  
IMDG:                         Not dangerous goods  
IATA:                         Not dangerous goods

### 14.3 Transport hazard class (es)

ADR/RID: -                      IMDG: -                      IATA: -

### 14.4 Packaging group

ADR/RID: -                      IMDG: -                      IATA: -

### 14.5 Environmental hazards

ADR/RID: no                      IMDG Marine pollutant: no                      IATA: no

### 14.6 Special precautions for user

no data available

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

## 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## 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.



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H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

#### Full text of R-phrases referred to under sections 2 and 3

Xi	Irritant
R36/37/38	Irritating to eyes, respiratory system and skin.

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**Revision #1 Date:** 31-12-2017

#### Disclaimer:

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Infinium Pharmachem Pvt Ltd be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Infinium Pharmachem Pvt Ltd has been advised of the possibility of such damages.*