

## A MATERIAL SAFETY DATA SHEET

### ISOPROPYLTRIPHENYLPHOSPHONIUM IODIDE

#### 1.1 Product Identifiers:

**Product Name** : Isopropyltriphenylphosphonium iodide

**CAS No** : 24470-78-8

#### 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 CERTIFIED CO.)  
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** : (Prop-2-yl)(triphenyl)phosphonium iodide

**CAS No.** : 24470-78-8

**Molecular Weight** : 432.28 g/mol

**Chemical Formula** : C<sub>21</sub>H<sub>22</sub>IP

### 3.1 Classification of the substance or mixture

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

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

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

Irritating to eyes, respiratory system and skin.

### 3.2 Label elements

#### Labeling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Warning

#### Hazard statement(s)

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

**According to European Directive 67/548/EEC as amended**

Hazard symbol(s)



R-phrase(s)

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

R22 Harmful if swallowed.

S-phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear Suitable gloves and eye/face protection.

### 3.3 Other hazards

None.

### 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. Consult a physician.



In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

#### **4.2 Most Important symptoms & efforts, both acute and delayed**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

No data available

#### **5.1 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, nitrogen oxides (NO<sub>x</sub>), Hydrogen iodide

#### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for 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 vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

#### **6.2 Environmental precautions**



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**Infinium  
Pharmachem  
Pvt. Ltd.**

#### **Corporate Office Address**

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Vallabh Vidyanagar, Dist. Anand - 388 121 Gujarat, India.

Tel/ Fax : ++91-2692-238849 , 238850

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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. Normal measures for preventive fire protection.

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

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

Light Sensitive.

### **7.3 Specific end uses**

No data available

## **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**



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Safety glasses with side-shields conforming to EN16. 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

Impervious clothing, The type of protective equipment must be selected according to the Concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

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).

## 9.1 Information on Basic physical & chemical properties

a) Appearance	Form: solid
b) Odor	no data available
c) Odor Threshold	no data available
d) pH	no data available
e) Melting point/freezing Point	Melting point/range: 194 - 197 °C – lit
f) Initial boiling point and Boiling range	no data available
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



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<b>o) Partition coefficient: n-octanol /water</b>	<b>no data available</b>
<b>p) Auto ignition Temperature</b>	<b>no data available</b>
<b>q) Decomposition Temperature</b>	<b>no data available</b>
<b>r) Viscosity</b>	<b>no data available</b>
<b>s) Explosive properties</b>	<b>no data available</b>
<b>t) Oxidizing properties</b>	<b>no data available</b>

## 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

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

## 11.1 Information on toxicological effects

### Acute toxicity

No data available

### Skin corrosion/irritation

no data available





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#### **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 presents 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**

no data available

#### **Aspiration hazard**

no data available

#### **Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause serious eye irritation.

#### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### **Additional Information**





RTECS: Not available

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

no data available

#### **12.2 Bioaccumulative potential**

no data available

#### **12.3 Mobility in soil**

no data available

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

no data available

#### **12.5 Toxicity**

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**

Dispose of as unused product.

#### **14.1 UN number**

Un none

#### **14.2 UN proper shipping name:**

Not classified as dangerous in the meaning of transport regulations.

#### **14.3 Environmental hazards**

ADR/RID: no

IMDG Marine Pollutant: no

IATA: no



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#### **14.4 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**

no data available

**MSDS Creation Date:** 01-01-2015

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

#### **Disclaimer:**

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