



#### 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

### 2 IODO PROPANE / ISO PROPYL IODIDE

#### 1.1 Product Identifiers:

**Product Name** : Iso propyl Iodide

**CAS No** : 75-30-9

#### 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 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** : 2-iodopropane; sec-Propyl Iodide; Isopropyl iodine; 2-Iodopropan (German); 2-Iodopropano (Spanish); 2-Jodopropan; i-Propyl iodide;

**CAS No.** : 75-30-9

**Molecular Weight** : 169.99 g/mol

**Chemical Formula** : C<sub>3</sub>H<sub>7</sub>I

#### 3.1 Classification of the substance or mixture

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**Classification according to Regulation (EC) No 1272/2008**

Flammable liquids (Category 3), H226

Acute toxicity, Oral (Category 4), H302

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**

Xn Harmful R22, R10

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

**3.2 Label elements****Labeling according Regulation (EC) No 1272/2008**

Pictogram

Signal word Warning

Hazard statement(s)

H226 Flammable liquid and vapour.

H302 Harmful if swallowed

Precautionary statement(s) none

Supplemental Hazard Statements none

**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



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Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with plenty of water as a precaution.

If swallowed

Do NOT induce vomiting. 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**

The most important known symptoms and effects are described in the labelling (see section 3.2) and/or in section 11

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

No data available

#### **5.1 Extinguishing Media:**

##### **Suitable extinguishing media**

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

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

Carbon oxides, Hydrogen iodide

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

Wear self contained breathing apparatus for fighting if necessary.

#### **5.4 Further Information**

Use water spray to cool unopened containers.

#### **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. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

#### **6.2 Environmental precautions**



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Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

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

For disposal see section 13

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

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from source of ignition- No smoking. Take measures to prevent the buildup of electrostatic charge.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Light 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**

Face Shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

###### **Skin protection**



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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, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### 9.1 Information on Basic physical & chemical properties

a) Appearance	<b>Form: clear liquid</b>
b) Odor	<b>no data available</b>
c) Odor Threshold	<b>no data available</b>
d) pH	<b>no data available</b>
e) Melting point/freezing Point	<b>Melting point/range: -90° C-lit</b>
f) Initial boiling point and Boiling range	<b>88-90 ° C at 1.013 hPa</b>
g) Flash point	<b>42 °C- closed cup</b>
h) Evaporation rate	<b>no data available</b>
i) Flammability (solid, gas)	<b>no data available</b>
j) Upper/lower Flammability or explosive limits	<b>no data available</b>
k) Vapor pressure	<b>no data available</b>
l) Vapor density	<b>no data available</b>
m) Relative density	<b>1.700 g/cm<sup>3</sup></b>
n) Water solubility	<b>no data available</b>
o) Partition coefficient: n-octanol /water	<b>log Pow : 2.89</b>
p) Auto ignition Temperature	<b>no data available</b>
q) Decomposition	<b>no data available</b>



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#### Temperature

- 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

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

no data available

#### 10.4 Conditions to avoid

Heat, flames and sparks.

#### 10.5 Incompatible materials

Strong oxidizing agents

#### 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

LC50 Inhalation - rat - 30 h - 320.000 mg/m<sup>3</sup>

##### Skin corrosion/irritation

no data available

##### Serious eye damage/eye irritation

no data available

##### Respiratory or skin sensitization



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no data available

#### **Germ cell mutagenicity**

no data available

#### **Carcinogenicity**

Carcinogenicity - mouse - Intraperitoneal

Tumorigenic: Neoplastic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.

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**

No data available.

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

no data available

#### **Aspiration hazard**

no data available

#### **Additional Information**

RTECS: TZ4200000

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

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

no data available

#### **12.2 Bioaccumulative potential**

no data available

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

no data available

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**12.4 Results of PBT and vPvB assessment**

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

**12.5 Toxicity**

No data available.

**12.6 Other adverse effects**

No data available

**13.1 Waste treatment methods****Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION****14.1 UN number**

ADR/RID: - 2392                      IMDG: -2392                      IATA: -2392

**14.2 UN proper shipping name**

ADR/RID        :        IODOPROPANES  
IMDG            :        IODOPROPANES  
IATA            :        iodopropanes

**14.3 Transport hazard class(es)**

ADR/RID: - 3                                      IMDG: -3                                      IATA: -3

**14.4 Packaging group**

ADR/RID: - III                                      IMDG: -III                                      IATA: III

**14.5 Environmental hazards**

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

**14.6 Special precautions for user**

no data available



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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

#### Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Flam.	Liq. Flammable liquids
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.

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

Xn	Harmful
R10	Flammable.
R22	Harmful if swallowed.

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

**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.*