



#### Corporate Office Address

Suite # 205, Sigma Prime, Second Floor Nr. Sardar Patel Statue  
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#### 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

### 4-Bromo-2-Iodoaniline

#### 1.1 Product Identifiers:

**Product Name** : 4-Bromo-2-Iodoaniline  
**CAS No** : 66416-72-6

#### 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 :** ASISCHEM T54343;4-BROMO-2-IODOANILINE;4-BROMO-2-IODO-PHENYLAMINE;AKOS BB-7878;4-Bromo-2-iodoaniline,97%;BenzenaMine, 4-broMo-2-iodo-

**CAS No.** : 66416-72-6

**Molecular Weight** : 297,92 g/mol

**Chemical Formula** : C<sub>6</sub>H<sub>5</sub>BrIN



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### 3.1 Classification of the substance or mixture

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

Acute toxicity, Oral (Category 3)

Skin irritation (Category 2)

Serious eye damage (Category 1)

Specific target organ toxicity - single exposure (Category 3)

Chronic aquatic toxicity (Category 2)

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

Toxic if swallowed. Irritating to respiratory system and skin. Risk of serious damage to eyes.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3.2 Label elements

#### Labeling according Regulation (EC) No 1272/2008



Pictogram

Signal word

Danger

Hazard statement(s)

H301

Toxic if swallowed.

H315

Causes skin irritation.

H318

Causes serious eye damage.

H335

May cause respiratory irritation.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273

Avoid release to the environment.



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P280 Wear protective gloves/ eye protection/ face protection  
P301+310 IF SWALLOWED: Immediately call a POISON  
CENTER or doctor/ physician.  
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-phrases)

R25 Toxic if swallowed.  
R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse  
effects in the aquatic environment.

S-phrases)

S26 In case of contact with eyes, rinse immediately with plenty of  
water and seek medical advice.  
S36/37/39 In case of contact with eyes, rinse immediately with plenty of  
water and seek medical advice.  
S45 Wear suitable protective clothing, gloves and eye/face  
protection. S45 In case of accident or if you feel unwell, seek  
medical advice immediately (show the label where possible)  
S61 Avoid release to the environment. Refer to special  
instructions/Safety data sheets.



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**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

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. Consult a physician.

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

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

### 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 bromide gas, Hydrogen iodide

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fighting if necessary.



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## **5.4 Further Information**

No data available.

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

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

## **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## **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.

## **7.3 Specific end uses**

no data available

## **8.1 Control parameters**

**Components with workplace control Parameters.**



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## 8.2 Exposure Controls

### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### 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

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

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: solid</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: 69-72 °C - lit</b>
f) Initial boiling point and	<b>no data available</b>



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#### Boiling range

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

#### 10.4 Conditions to avoid

no data available

#### 10.5 Incompatible materials

Strong oxidizing agents agents

#### 10.6 Hazardous decomposition products

Other decomposition products - no data available





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## **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**

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

### **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. Causes respiratory tract irritation.

**Ingestion** Toxic if swallowed.





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

**Eyes** Causes eye burns.

### Signs and Symptoms of Exposure

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

### Additional Information

RTECS: Not available

#### 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

no data available

#### 12.6 Other adverse effects

Toxic to aquatic life with long lasting effects

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

