

Version: v1  
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## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : Iodoacetamide  
Product Number : I105563  
Brand : aladdin  
CAS-No. : 144-48-9

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

Identified uses : It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.

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

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd  
Address : 36 Xinjinqiao Road, Shanghai  
Telephone : 400-620-6333  
Fax : no data available

#### 1.4 Emergency telephone number

Emergency Phone : 0532-83889090

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

#### 2.2 GHS Label elements, including precautionary statements

**Pictogram** 

**Signal word** Danger

**Hazard statement(s)**

H301 Toxic if swallowed

H317 May cause an allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Precautionary statement(s)**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P342+P311 IF experiencing respiratory symptoms: Call a POISON CENTER/doctor/...

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**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

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**SECTION 3: Composition/information on ingredients****3.1 Substances**

Synonyms : 2-Iodoacetamide; alpha-iodoacetamide; moniodoacetamide  
Formula : C<sub>2</sub>H<sub>4</sub>INO  
Molecular weight : 184.96  
CAS No. : 144-48-9  
EC-NO. : 205-630-1

| Component     | Classification    | Concentration |
|---------------|-------------------|---------------|
| Iodoacetamide |                   |               |
|               | no data available | 98%           |

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**SECTION 4: First aid measures****4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**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. Take victim immediately to hospital. 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 and effects, both acute and delayed**

no data available

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

no data available

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

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

**Unsuitable extinguishing media**

no data available

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

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx), Hydrogen iodide

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information**

no data available

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**SECTION 6: Accidental release measures**

**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.

**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**

no data available

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**SECTION 7: Handling and storage**

**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 with desiccant.Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C Store with desiccant.Product is sensitive to light and moisture.

**7.3 Specific end use(s)**

no data available

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**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**8.2 Exposure controls**

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**Appropriate engineering controls**

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

**Personal protective equipment****Eyeface 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 gloves 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.

**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 particle respirator type N99 (US or type P2 (EN 143) 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).

**Control of environmental exposure**

no data available

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| a) Appearance                                   | form: 水晶 color: 淡黄色              |
| b) Odour                                        | no data available                |
| c) Odour Threshold                              | no data available                |
| d) pH                                           | no data available                |
| e) Melting point/freezing point                 | 92 - 95 °C (198 - 203 °F) - 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) Vapour pressure                              | no data available                |
| l) Vapour density                               | no data available                |
| m) Relative density                             | no data available                |
| n) Water solubility                             | no data available                |
| o) Partition coefficient: n-octanol/water       | log Pow: 0.04                    |
| p) Auto-ignition temperature                    | no data available                |
| q) Decomposition temperature                    | no data available                |
| r) Viscosity                                    | no data available                |
| s) Explosive properties N                       | no data available                |
| t) Oxidizing properties N                       | no data available                |

**9.2 Other safety information**

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

Exposure to light may affect product quality.

### 10.4 Conditions to avoid

Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents

### 10.5 Incompatible materials

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx), Hydrogen iodide

### 10.6 Hazardous decomposition products

Oral LD50 LD50 Oral - mouse - 74 mg/kg Other information on acute toxicity LD50 Intraperitoneal - mouse - 50 mg/kg LD50 Intravenous - mouse - 56 mg/kg

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## SECTION 11: Toxicological information

### 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 sensitisation

no data available

#### Germ cell mutagenicity

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.

#### Carcinogenicity

no data available

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

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**Specific target organ toxicity - repeated exposure**

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

**Aspiration hazard**

no data available

**Additional Information**

no data available

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**SECTION 12: Ecological information**

**12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

Indication of bioaccumulation.

**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**

no data available

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**SECTION 13:**

**13.1 Disposal considerations**

**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.

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**SECTION 14: Transport information**

**DOT (US)**

UN number: 2811

Packing group: III

Class: 6.1

Proper shipping name: no data available

Reportable Quantity(RQ): no data available Poison Inhalation Hazard: no data

Environmental Hazards: no data available

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**IMDG**

UN number: 2811

Packing group: III

EMS-No: no data available

Proper shipping name: no data available

**IATA**

UN number: 2811

Packing group: III

Class: 6.1

Proper shipping name: no data available

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**SECTION 15: Regulatory information**

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

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**SECTION 16: Other information****Further information**

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