

**SIGMA-ALDRICH**

**Material Safety Data Sheet**

Version 3.0  
Revision Date 12/27/2008  
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**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : **7-Iodoindole**  
Product Number : 687766  
Brand : Aldrich  
Company : Sigma-Aldrich  
3050 Spruce Street  
SAINT LOUIS MO 63103  
USA  
Telephone : +1 800-325-5832  
Fax : +1 800-325-5052  
Emergency Phone # : (314) 776-6555

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Formula :  $C_8H_6IN$   
Molecular Weight : 243.04 g/mol

| CAS-No.                           | EC-No. | Index-No. | Concentration |
|-----------------------------------|--------|-----------|---------------|
| <b>7-Iodoindole</b><br>89976-15-8 | -      | -         | -             |

**3. HAZARDS IDENTIFICATION**

**Emergency Overview**

**OSHA Hazards**

Harmful by ingestion., Irritant

**Other hazards which do not result in classification**

Stench.

**HMIS Classification**

Health Hazard: 2  
Flammability: 1  
Physical hazards: 0

**NFPA Rating**

Health Hazard: 2  
Fire: 1  
Reactivity Hazard: 0

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. Causes skin irritation.  
**Eyes** Causes eye irritation.

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**Ingestion**

Harmful if swallowed.

**4. 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. 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.

**5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point > 110 °C (> 230 °F) - closed cup

Ignition temperature no data available

**Suitable extinguishing media**

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

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods for cleaning up**

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

**7. HANDLING AND STORAGE**

**Handling**

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage**

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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**Hand protection**  
Handle with gloves.

**Eye protection**  
Safety glasses

**Skin and body protection**  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures**  
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

|       |         |
|-------|---------|
| Form  | solid   |
| Odour | Stench. |

### Safety data

|                       |                                  |
|-----------------------|----------------------------------|
| pH                    | no data available                |
| Melting point         | 52 - 56 °C (126 - 133 °F)        |
| Boiling point         | no data available                |
| Flash point           | > 110 °C (> 230 °F) - closed cup |
| Ignition temperature  | no data available                |
| Lower explosion limit | no data available                |
| Upper explosion limit | no data available                |
| Water solubility      | no data available                |

## 10. STABILITY AND REACTIVITY

**Storage stability**  
Stable under recommended storage conditions.

**Materials to avoid**  
Oxidizing agents

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

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**  
no data available

**Irritation and corrosion**  
no data available

**Sensitisation**  
no data available

## Chronic exposure

**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.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## Signs and Symptoms of Exposure

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

## Potential Health Effects

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| <b>Inhalation</b> | May be harmful if inhaled. Causes respiratory tract irritation.  |
| <b>Skin</b>       | May be harmful if absorbed through skin. Causes skin irritation. |
| <b>Eyes</b>       | Causes eye irritation.                                           |
| <b>Ingestion</b>  | Harmful if swallowed.                                            |

## 12. ECOLOGICAL INFORMATION

### Elimination Information (persistence and degradability)

no data available

### Ecotoxicity effects

no data available

### Further information on ecology

no data available

## 13. DISPOSAL CONSIDERATIONS

**Product**  
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**  
Dispose of as unused product.

## 14. TRANSPORT INFORMATION

**DOT (US)**  
UN-Number: 3335 Class: 9  
Proper shipping name: Aviation regulated solid, n.o.s. (7-Iodoindole)  
Marine pollutant: No  
Poison Inhalation Hazard: No

**IMDG**  
Not dangerous goods

**IATA**

UN-Number: 3335 Class: 9  
Proper shipping name: Aviation regulated solid n.o.s. (7-Iodoindole)

#### 15. REGULATORY INFORMATION

##### OSHA Hazards

Harmful by Ingestion., Irritant

##### DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

CAS-No.  
89976-15-8

7-Iodoindole

##### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### SARA 311/312 Hazards

Acute Health Hazard

##### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

##### Pennsylvania Right To Know Components

| CAS-No.    | Revision Date |
|------------|---------------|
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##### New Jersey Right To Know Components

| CAS-No.    | Revision Date |
|------------|---------------|
| 89976-15-8 |               |

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##### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

#### 16. OTHER INFORMATION

##### Further information

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