



## Material Safety Data Sheet

### Section 1: Chemical Identification

**MSDS name:** Indole-3-carboxaldehyde  
**Catalog #:** I-190  
**Chemical Name:** Indole-3-carboxaldehyde  
**Synonym:** Indole-3-aldehyde; 3-Formylindole

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### Section 2: Chemical Information on Ingredients

CAS No.	Chemical name:	Classification:
487-89-8	Indole-3-carboxaldehyde	Xn; R: 22-36-43

### Section 3: Hazards Identification

This chemical has not been thoroughly examined. May cause eye and skin irritation. Material may be irritating to mucous membranes or the respiratory tract.

**Potential Health Effects:**

<b>Eye</b>	May cause eye irritation
<b>Skin</b>	Prolonged contact may cause irritation
<b>Ingestion</b>	May cause digestive tract irritation
<b>Inhalation</b>	May cause respiratory irritation
<b>Chronic</b>	Can effect the nervous system

#### **Section 4: First Aid Measures**

- Eye:** In case of contact wash with water for at least 15 minutes. Call a physician if irritation continues
- Skin:** In case of contact wash with soap and water. Call a physician if irritation continues.
- Ingestion:** If ingested wash mouth out with water. Call a physician. Never give anything by mouth to an unconscious person.
- Inhalation:** If inhaled, remove to fresh air. If not breathing give oxygen. Call a physician.

#### **Section 5: Firefighting Measures**

- General:** As with any fire wear breathing apparatus and protective clothing to prevent contact with skin
- Extinguishing media:** Use water, carbon dioxide, dry chemical powder, or foam.
- Autoignition Temperature:** 550°C
- Flash point:** 240°C
- Explosion Limits:** Not to be considered an explosion risk.

#### **Section 6: Accidental Release Measures**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Sweep up spills and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

#### **Section 7: Storage**

Keep in a tightly sealed container, store in a deep freeze at -15°C. Protect from light.

#### **Section 8: Personal Protection**

##### **Personal Respirators (NIOSH Approved):**

Wear a NIOSH/MSHA approved respirator.

##### **Skin Protection:**

Wear protective gloves and clean body-covering clothing.

##### **Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## Section 9: Physical and Chemical Properties

Appearance: yellow to brownish crystalline powder  
Odor: characteristic odor  
Boiling point: does not apply  
Melting point: 194 -198°C  
Solubility in water: hardly in water  
Solubility other: soluble in ethanol  
Molecular Formula: C<sub>9</sub>H<sub>7</sub>NO  
Molecular Weight: 145.16 g/mol

## Section 10: Stability

### Stability:

Stable under ordinary conditions of use and storage.

### Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide and nitrogen oxides may form

### Hazardous Polymerization:

Will not occur.

### Incompatibilities:

Strong oxidizers and strong reducing agents.

### Conditions to Avoid:

incompatibles.

## Section 11: Toxicological Information

<i>RTECS</i>	Not available
<i>CAS No.</i>	[487-89-8]
<i>LD50/LC50</i>	Not available.
<i>Carcinogenicity</i>	Not available.
<i>Epidemiology</i>	Not available.
<i>Teratogenic</i>	Not available.
<i>Reproductive Effects</i>	Effects on the nervous system.
<i>Neurotoxicity</i>	Not available.
<i>Mutagen</i>	Not available.
<i>Other Studies</i>	Not available.

## Section 12: Ecological Information

Ecotoxicity:	Not available
Environmental Fate:	Not available
Other:	Not available

## Section 13: Disposal Considerations

Dissolve or mix material with a combustible solvent and burn in a chemical incinerator.

## Section 14: Transport Information

Not a DOT controlled material

## **Section 15: Regulatory Information**

### **Federal and State Regulations:**

No specific regulations

### **International Regulations:**

On TSCA January 2004 Inventory Tape. On NDSL, Canada Gazette, Part I, January 31, 1998. On PICCs. On ASIA-PAC.

### **Other Regulations:**

Hazard symbols      Xn

## **Section 16: Additional Information**

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