

MATERIAL SAFETY DATA SHEET

I
CAROLINA BIOLOGICAL

Revised: 09/05/00
Replaces: None
Printed: 05/06/02

1. PRODUCT DESCRIPTION

Product Name: Indole-3-Acetic Acid
Product Code(s): 20-7605, 20-7606, 20-7607, 20-7608, 20-7609, 19-8250,
19-8252
Size: 100 mg, 1 g, 5 g, 25 g, 100 g
Chemical Name: Indole-3-Acetic Acid
CAS Number: 87-51-4
Formula: C₁₀H₉NO₂
Synonyms: IAA, Heteroauxin, Rhizopin
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Indole-3-Acetic Acid(CAS#87-51-4) 90-100%

TLV and PEL units: None Established

3. HAZARD IDENTIFICATION

Emergency Overview: Harmful if ingested, inhaled, or absorbed through skin.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): No information available

NFPA Rating: None established

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume: No information available

Autoignition Temperature: No information available

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and

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containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store tightly closed in a freezer at -20 to 0 C.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): NIOSH/MSHA-approved respirator
Ventilation:

Local Exhaust: Yes
Mechanical (General): Yes
Special: No
Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight:	175.18
Melting Point:	165-169 C
Boiling Point:	No information available
Vapor Pressure:	No information available
Vapor Density (Air=1):	No information available
Specific Gravity (H ₂ O=1):	No information available
Percent Volatile by Volume:	No information available
Evaporation Rate (H ₂ O=1):	No information available
Solubility in Water:	Sparingly soluble
Appearance and Odor:	Off-white powder with slight odor.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: CO_x, NO_x

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: ipr-mus LD50: 150 mg/kg

Effects of Overexposure:

Acute: See section 3

Chronic: Mutation, reproductive, and tumorigenic data cited.

Conditions Aggravated by Overexposure: May cause irritation to skin, eyes,

and respiratory tract. Ingestion may cause irritation to gastrointestinal tract.

Target Organs: Musculoskeletal system

Primary Route(s) of Entry: Ingestion and skin

12. ECOLOGICAL DATA

EPA Waste Numbers: N/A

13. DISPOSAL INFORMATION

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Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

SARA Sec. 313

Product or Components	SARA EHS Sec. 302 TPQ	Chemicals Name List	Chemical Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec.
261.33					

Indole-3-Acetic Acid No No No No No

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists
CAS Number..Chemical Services Abstract Number
CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act
DOT.....U.S. Department of Transportation
IARC.....International Agency of Research on Cancer
N/A.....Not Available
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act

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