

MATERIAL SAFETY DATA SHEET

DIMETHYLAMINO BENZALDEHYDE
CAROLINA BIOLOGICAL

Revised: 13/10/09
Replaces: 15/05/08
Printed: 03/08/10

1. PRODUCT DESCRIPTION

Product Name: p-Dimethylamino-Benzaldehyde
Product Code(s): 85-8000, 85-8002
Size: 25 g, 100 g
Chemical Name: p-Dimethylamino-Benzaldehyde
CAS Number: 100-10-7
Formula: (CH₃)₂NC₆H₄CHO
Synonyms: N/A
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: p-Dimethylaminobenzaldehyde (CAS#100-10-7) 100%

TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: May cause skin irritation. May be harmful if swallowed.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

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 and induce vomiting immediately as directed by medical personnel. 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): Nothing available

NFPA Rating: Health: 1

Fire: 1

Reactivity: 0

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume: No information available

Autoignition Temperature: No information available

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Special Firefighting Procedures:

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

Unusual Fire and Explosion Hazards: May cause skin irritation and may be harmful if swallowed.

6. SPILL OR LEAK PROCEDURES

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

Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Keep container tightly closed. Avoid exposure to light. Do not breathe dust. Do not get in eyes, on skin, or on clothing

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation.

NIOSH approved equipment should be worn if PELs are exceeded.

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 apron, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: 149.20

Melting Point: 74 C

Boiling Point: 177 C

Vapor Pressure: No information available

Specific Gravity(H₂O=1):No information available

Percent Volatile by Volume: No information available

Evaporation Rate(H₂O=1): No information available

Solubility in Water: Slight

Appearance and Odor: Off-white crystals

10. REACTIVITY DATA

Stability: Yes

Conditions to Avoid: Heat, light-sensitive(may turn pink upon exposure to light)

Incompatibility(Materials to Avoid): Oxidizers, bases

Hazardous Decomposition Products: NO_x

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Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: orl-rat LDLo:500 mg/kg; ipl-rat LD50: 620 mg/kg

Effects of Overexposure:

Acute: See section 3

Chronic: None

Conditions Aggravated by Overexposure: No information available

Target Organs: No information available

Primary Route(s) of Entry: Inhalation and ingestion

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

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 material

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name List	SARA Sec. 313 Chemical Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec.
261.33					

p-Dimethylamino-benzaldehyde	No	No	No	No	No
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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 Abstracts Service Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

mppcf.....million particles per cubic foot

N/A.....Not Available

NTP.....National Toxicology Program

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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