

MATERIAL SAFETY DATA SHEET

2,4-DICHLOROPHENOXYACETIC ACID
CAROLINA BIOLOGICAL

Revised: 23/11/09
Replaces: 23/11/09
Printed: 06/03/10

1. PRODUCT DESCRIPTION

Product Name: 2,4-Dichlorophenoxyacetic Acid
Product Code(s): 20-7545, 20-7549, 20-7835, 19-8236, 19-8238
Size: 100mg, 100g
Chemical Name: 2,4-Dichlorophenoxyacetic
CAS Number: 94-75-7
Formula: C8 H6 Cl2 O3
Synonyms: None known
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: 2,4-Dichlorophenoxyacetic acid (cas#94-75-7)

97%

TLV and PEL units: 10mg/cubic meter

3. HAZARD IDENTIFICATION

Emergency Overview:

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): No information available

NFPA Rating: Health: 0
Fire: 0
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: None cited

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 containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Do not swallow, avoid eye and skin contact. Do not store near seeds, fertilizers, insecticides, or fungicides. Store tightly closed in a cool, dry area suitable for general chemical storage.

Other Precautions: Wash thoroughly after handling.

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: No
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: 205.4

Melting Point: No information available

Boiling Point: Decomposes

Vapor Pressure: 20 C

Vapor Density(Air=1): No information available

Specific Gravity(H2O=1): 1.416 (25 C)

Percent Volatile by Volume: No information available

Evaporation Rate(H2O=1): No information available

Solubility in Water: No information available

Appearance and Odor: White powder, phenolic odor.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: No information available

Incompatibility(Materials to Avoid): Alkaline or oxidizing materials

Hazardous Decomposition Products: May produce HCl in a fire

Hazardous Polymerization: Will not occur

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11. TOXICITY DATA

Toxicity Data:

Effects of Overexposure:

Acute: See section 3

Chronic: Mutation data cited. Reproductive effects data cited.

Not

listed as causing cancer by NTP or OSHA, Listed IARC Cancer Review.

Conditions Aggravated by Overexposure: No information available

Target Organs: No information available

Primary Route(s) of Entry: Ingestion and skin

12. ECOLOGICAL DATA

EPA Waste Numbers: U240

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

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

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

2,4-Dichlorophenoxyacetic Acid

No

Yes

No

100

Yes

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

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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