



Issuing Date 3/1/2010

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DPD #1 Powder
Product Code(s) 6807
Recommended Use Laboratory chemicals. Industrial (not for food or food contact use).
Company LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620
USA
Emergency Telephone Number 24 Hour Emergency Number (CHEM-TEL):
USA, Canada, Puerto Rico 1-800-255-3924
Outside North American Continent (Call collect) 813-248-0585

2. HAZARDS IDENTIFICATION

Emergency Overview

Harmful if swallowed
May cause skin, eye, and respiratory tract irritation
May produce an allergic reaction

Appearance White to off-white

Physical State Solid, powder

Odor Odorless

OSHA Regulatory Status This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold, but considers exposure to the chemical if user has direct eye and skin contact with the chemical.

Potential Health Effects

Principle Routes of Exposure Skin contact, Inhalation

Acute Toxicity

Eyes May cause irritation.
Skin May cause irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion May be harmful if swallowed.

Chronic Effects May produce an allergic reaction.

Main Symptoms Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

Aggravated Medical Conditions None known.

Interactions with Other Chemicals None known.

Environmental Hazard No information available..

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % |
|--|-----------|----------|
| N,N-Diethyl-p-phenylenediamine sulfate | 6283-63-2 | 1 |

All other ingredients not listed by name are proprietary to the LaMotte Company, registered under the State of New Jersey Trade Secret protection law, assigned the NJTSRN#80100291-5051p, and may be disclosed only in a medical emergency..

4. FIRST AID MEASURES

| | |
|-----------------------------------|---|
| General Advice | Do not get in eyes, on skin, or on clothing. |
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Consult a physician. |
| Inhalation | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately. |
| Ingestion | Induce vomiting, but only if victim is fully conscious. Drink plenty of water. Clean mouth with water. Never give anything by mouth to an unconscious person. Consult a physician. |
| Notes to Physician | May cause sensitization of susceptible persons. Treat symptomatically. |
| Protection of First-aiders | Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |

5. FIRE-FIGHTING MEASURES

| | | | | |
|-------------------------------------|--|-----------------------|--------------------|--|
| Flash Point | Not applicable | | | |
| Suitable Extinguishing Media | Water spray, dry chemical, carbon dioxide (CO ₂), or foam. | | | |
| Uniform Fire Code | • Sensitizer: Solid | | | |
| Explosion Data | | | | |
| NFPA | Health Hazard 1 | Flammability 0 | Stability 0 | Physical and Chemical Hazards N/A |

6. ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------------|---|
| Personal Precautions | Refer to Section 8. |
| Methods for Containment | Prevent dust cloud. |
| Methods for Cleaning Up | Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| Handling | Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes and clothing. Do not ingest. Do not eat, drink or smoke when using this product. |
| Storage | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|------------------|------------------|------------------|
| N,N-Diethyl-p-phenylenediamine sulfate 6283-63-2 | None Established | None Established | None Established |

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields. Avoid contact with eyes.

Skin and Body Protection

Wear latex or Nitrile gloves.

Respiratory Protection

None required under normal usage.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands and face before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------|--------------------------|----------------------------|--------------------------------|
| Appearance | White to off-white | Odor | Odorless |
| Physical State | Solid, powder | pH | 6 (1 tablet in 10mL of water). |
| Flash Point | Not applicable | Boiling Point/Range | No information available |
| Freezing Point | No information available | | |
| Explosion Limits | Not applicable | | |
| Molecular Weight | No data available | Water Solubility | Soluble in water |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable. |
| Incompatible Products | None known based on information supplied. |
| Conditions to Avoid | Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight. Keep away from children. |
| Hazardous Decomposition Products | None under normal use. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.**LD50 Oral VALUE (mg/kg)** Oral Rat LD50: 195mg/kg for N,N-Diethyl-p-phenylenediamine sulfate

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|------------------|------------------|------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established | None Established | None Established |

Chronic Toxicity**Chronic Toxicity** May produce an allergic reaction.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
| | | | | |

| | | | | |
|--|------------------|------------------|------------------|------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established | None Established | None Established | None Established |
|--|------------------|------------------|------------------|------------------|

| Chemical Name | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances | Japan - Endocrine Disruptor Information |
|--|--|--|---|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established | None Established | None Established |

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Microtox | Daphnia Magna (Water Flea) |
|--|-------------------|------------------|------------------|----------------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established | None Established | None Established | None Established |

| Chemical Name | Log Pow |
|--|------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established |

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with local regulations. Can be incinerated, when in compliance with local regulations. Should not be released into the environment.

Contaminated Packaging

Dispose of in accordance with local regulations.

| Chemical Name |
|--|
| N,N-Diethyl-p-phenylenediamine sulfate - 6283-63-2 |

| Chemical Name | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|--|--------------------------------------|------------------------|------------------------|------------------------|
| N,N-Diethyl-p-phenylenediamine sulfate - 6283-63-2 | None Established | None Established | None Established | None Established |

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

| Component | TSCA | DSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|------|-----|---------------|-------|-------|------|-------|------|
| N,N-Diethyl-p-phenylenediamine sulfate 6283-63-2 (1) | TSCA | DSL | X | 3-243 | X | KECL | X | X |

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical Name | CAS-No | Weight % | SARA 313 - Threshold Values % |
|--|-----------|----------|-------------------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | 6283-63-2 | 1 | None Established |

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|-----------------------------|------------------------|---------------------------|----------------------------|
| N,N-Diethyl-p-phenylenediamine sulfate 6283-63-2 (1) | None Established | None Established | None Established | None Established |

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

| Chemical Name | CAS-No | Weight % | HAPS data | VOC Chemicals | Class 1 Ozone Depletors | Class 2 Ozone Depletors |
|--|-----------|----------|------------------|------------------|-------------------------|-------------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | 6283-63-2 | 1 | None Established | None Established | None Established | None Established |

CERCLA

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|--|--------------------------|------------------------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established | None Established |

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

| Chemical Name | CAS-No | California Prop. 65 |
|--|-----------|---------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | 6283-63-2 | None Established |

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--|------------------|------------------|------------------|------------------|------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established | None Established | None Established | None Established | None Established |

International Regulations**Mexico - Grade**

No information available.

| Chemical Name | Carcinogen Status | Exposure Limits |
|--|-------------------|------------------|
| N,N-Diethyl-p-phenylenediamine sulfate | None Established | None Established |

Canada

WHMIS Hazard Class

Not subject to WHMIS classification



16. OTHER INFORMATION

| NFPA | HMIS | PPE | Transport Symbol | | | | | | |
|---------------|---|---------------|------------------|-------------|---|------------|---|--|---------------|
| | <table border="1"> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table> | Health Hazard | 1 | Fire Hazard | 0 | Reactivity | 0 | | Not regulated |
| Health Hazard | 1 | | | | | | | | |
| Fire Hazard | 0 | | | | | | | | |
| Reactivity | 0 | | | | | | | | |

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Revision Note Initial Release.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS