

Safety Data Sheet

Name: DPD Liquid Reagent

Product No: LDPD-30-FCL

Version: 1.0



Date: June 5, 2025

Section 1: Identification of the Material and Supplier

Product Name: DPD Liquid Reagent:

Part Number: LDPD-30-FCL

Recommended Use: For water analysis – free and total chlorine determination.

PYXIS LAB, INC.

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USA

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Emergency Phone Number

CHEMTREC

1-800-262-8200

Section 2: Hazard Identification

GHS Classification:

- Eye Irritation, Category 2B
- Skin Irritation, Category 2

Signal Word:

Warning

Hazard Statements:

- Causes eye irritation.
- Causes skin irritation.

Precautionary Statements:

- Wash thoroughly after handling.
- Wear protective gloves and eye protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- IF ON SKIN: Wash with plenty of soap and water. Seek medical advice if irritation occurs.

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Section 3: Composition/Information on Ingredients

Component	CAS Number	Concentration (% w/w)
N,N-Diethyl-p-phenylenediamine Sulfate (DPD Sulfate)	6283-63-2	0.1 – 1.0%
Buffering agents	Proprietary	1.0 – 5.0%
Stabilizers/Preservatives	Proprietary	0.5 – 3.0%
Deionized Water	7732-18-5	Balance (90.0 – 98.4%)

(Exact formulation is proprietary and considered a trade secret.)

Section 4: First Aid Measures

Eye Contact:

Rinse cautiously with water for several minutes. Seek medical attention if irritation persists.

Skin Contact:

Wash with soap and water. Seek medical attention if irritation develops.

Inhalation:

Remove person to fresh air. Seek medical attention if symptoms occur.

Ingestion:

Rinse mouth. Do not induce vomiting. Seek medical attention if feeling unwell.

Section 5: Fire-Fighting Measures

Extinguishing Media:

Water spray, dry chemical, foam, carbon dioxide.

Protective Equipment:

Wear self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

- Use personal protective equipment.
- Contain spill. Absorb with inert material (sand, earth).
- Dispose of according to local regulations.

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Section 7: Handling and Storage

Handling:

Avoid contact with skin, eyes, and clothing. Use in well-ventilated areas.

Storage:

Store in a cool, dry, well-ventilated place. Keep container tightly closed. Protect from light and heat.

Section 8: Exposure Controls/Personal Protection

Exposure Limits:

No established limits.

Personal Protection:

- Eye Protection: Safety goggles
- Skin Protection: Gloves
- Respiratory Protection: Not normally required under normal use

Section 9: Physical and Chemical Properties

Appearance: Blue liquid

Odor: None to slight amine odor

pH: 5.5 – 7.0

Specific Gravity: ~1.00

Solubility in Water: Complete

Section 10: Stability and Reactivity

Stability:

Stable under normal conditions.

Conditions to Avoid:

Heat, light.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, sulfur oxides.

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Section 11: Toxicological Information

Routes of Exposure:

Skin, eyes, ingestion.

Symptoms:

Irritation to skin and eyes.

Acute Toxicity:

Not expected to be toxic under normal conditions.

Section 12: Ecological Information

- No specific ecological data available.
- Prevent release to the environment.

Section 13: Disposal Considerations

Dispose in accordance with local, regional, and national regulations.

Section 14: Transport Information

DOT (U.S.): Not regulated

IATA: Not regulated

IMDG: Not regulated

Section 15: Regulatory Information

- This product does not contain any components subject to the reporting requirements of SARA Title III Sections 302 or 313.
- All components are listed or exempted from listing on the TSCA inventory.

Section 16: Other Information

Prepared By:

Pyxis Lab, Inc.

Date:

June 5, 2025

Disclaimer:

The information provided in this Safety Data Sheet is believed to be accurate and is based on information available at the time of preparation. No warranty is expressed or implied regarding the accuracy or completeness of this information. Users assume all risks associated with use.