



Material Safety Data Sheet

DPD Solution

Section 1 - Chemical Product and Company Identification

MSDS Name:

DPD Solution

Catalog Numbers:

LC13700

Synonyms:**Company Identification:**

LabChem, Inc.
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
7664-93-9	Sulfuric acid	0.37
6283-63-2	DPD Sulfate	0.11
6381-92-6	Disodium dihydrogen ethylenediaminetetraacetatedihyd	0.02

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Colorless

Caution! May cause eye and skin irritation.

Target Organs: Noneknown.

Potential Health Effects

Eye:

May cause mild eye irritation.

Skin:

May cause mild skin irritation.



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Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Dental erosion, jaw necrosis, dermatitis, conjunctivitis or corneal damage and scarring.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:

Do NOT induce vomiting. Get medical aid at once. Give one ounce (30 ml) of milk of magnesia. Give oxygen if respiration is depressed.

Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires flood fire with water from a distance.

Autoignition Temperature:

No information found.

Flash Point:

No information found.

NFPA Rating:

CAS# 7732-18-5: Not published.

CAS# 7664-93-9: Not published.

CAS# 6283-63-2: Not published.

CAS# 6381-92-6: Not published.

Explosion Limits:

Lower: Upper:



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Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. May be neutralized with slaked lime, limestone, or sodium bicarbonate to a pH 7.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

Storage:

Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Sulfuric acid	1 mg/m ³ TWA; 3 mg/m ³ STEL	1 mg/m ³ TWA	1 mg/m ³ TWA;
DPD Sulfate	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Disodium dihydrogen ethylenediaminetetraacetate dihydrate	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

OSHA Vacated PELs

Sulfuric acid: 1 mg/m³ TWA
 Sulfuric acid: 1 mg/m³ TWA
 Sulfuric acid: 1 mg/m³ TWA

Personal Protective Equipment

Eyes:

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Not required for normal use.



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Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: Colorless
Odor: Odorless
pH: Slightlyacidic
Vapor Pressure: No information found.
Vapor Density: No information found.
Evaporation Rate: < ether
Viscosity: No information found.
Boiling Point: No information found.
Freezing/Melting Point: No information found.
Decomposition Temperature: No information found.
Solubility in water: Soluble.
Specific Gravity/Density: 1.0
Molecular Formula: No information found.
Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stableundernormaltemperaturesandpressures.

Conditions to Avoid:

None reported.

Incompatibilities with Other Materials

No information found.

Hazardous Decomposition Products

Oxides of nitrogen, oxides of sulfur, oxides of carbon.

Hazardous Polymerization

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 7664-93-9: WS5600000.

CAS# 6283-63-2: SS9625000.

CAS# 6381-92-6: AH4410000.



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LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 7664-93-9:

Inhalation, mouse: LC50 = 320 mg/m³/2H

Inhalation, rat: LC50 = 510 mg/m³/2H

Oral, rat: LD50 = 2140 mg/kg.

CAS# 6283-63-2:

No information found. CAS# 6381-92-6:

No information found.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 7664-93-9

ACGIH: A2 - Suspected Human Carcinogen (contained in strong inorganic acid mists)

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Select carcinogen

IARC: Group 1 carcinogen

CAS# 6283-63-2: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 6381-92-6: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Teratogenicity:

Reproductive:

Mutagenicity:

Neurotoxicity:

Section 12 - Ecological Information

No information found.

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:



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Section 15 - Regulatory Information

US Federal

TSCA

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 7664-93-9 is listed on the TSCA Inventory.

CAS# 6283-63-2 is not listed on the TSCA Inventory. It is for research and development use only.

CAS# 6381-92-6 is not on the TSCA Inventory, however, its anhydrous form is on the inventory and so this hydrate is exempt from TSCA Inventory requirements (40CFR270.3(u)(2)).

SARA Reportable Quantities (RQ)

CAS# 7664-93-9: final RQ = 1000 pounds (454 kg)

CERCLA/SARA Section 313

Sulfuric acid is not at a high enough concentration to be reportable under Section 313.

OSHA - Highly Hazardous

None of the components are on this list.

US State

State Right to Know

Sulfuric acid can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 7664-93-9 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 7664-93-9 is listed on Canada's Ingredient Disclosure List.

CAS# 6283-63-2 is not listed on Canada's Ingredient Disclosure List.

CAS# 6381-92-6 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: November 4, 1998

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