


## Material Safety Data Sheet

	<b>Red Bird</b>	<b>Health:</b>	<b>0 - Minimal</b>
	<b>S e r v i c e</b>	<b>Fire:</b>	<b>0 - Minimal</b>
		<b>Reactivity:</b>	<b>0 - Minimal</b>

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**MSDS:** 98884

**Prep Date:** 11/10/2000

**Product:** DPD Solution Apha for Chlorine

**Revision:** 5

### Section 1 - Chemical Product and Company Identification

**Product Chemical Name:** A chemical mixture

**Chemical Formula:** A chemical mixture

**CAS No:**

**Manufacturer:** Red Bird Services PO Box 155 205 Western Avenue Osgood IN 47037

**For Emergency, Call Chemtree 24 hours a day....800-424-9300**

**Catalog Number:** D-150

**Synonym:** Not listed

### Section 2 - Composition/Information on Ingredients

Ingredients	CAS Number	% wt or N
Diethyl-p-Phenylenediamine Sulfate	6283-63-2	<1
Sulfuric Acid	7664-93-9	<1
Water	7732-18-5	balance

OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
TWA	STEL	TWA	STEL	TWA	STEL	IDLH
not listed	not listed	not listed	not listed	not listed	not listed	not listed
1mg/m3	1mg/m3	not listed	1mg/m3	not listed	not listed	15mg/m3
Not estab.	Not estab.	Not estab.	Not estab.	Not estab.	Not estab.	Not estab.

### Section 3 - Hazard Information

**Primary Entry Route:** Inhalation, digestion, and skin contact

**Target Organs:** Eyes, skin, respiratory system, digestive system

**Acute Effects:** Irritant at this concentration.

**Inhalation:** Irritant

**Eye:** Dangerous

**Skin:** Irritant

**Ingestion:** Irritant to dangerous

**Carcinogenicity:** IRAC, NTP, and OSHA do not list sulfuric acid as a carcinogen. ACGIH does list under list ID 1.

**Medical Conditions:** None listed

**Chronic Effects:** Exposure to amounts greater than 3.0 mgm3 may cause all of the above symptoms in greater severity. (NYDH)

**Section 4 - First Aid Measures**

**Inhalation:** Move to fresh air, give oxygen if difficulty in breathing. Get medical attention.

**Eye Contact:** Flush with water for at least 15 minutes, including under eyelids. Get medical attention

**Skin Contact:** Flush with water for 15 minutes. If irritation persists, get medical attention.

**Ingestion:** Give water to drink to dilute material. Induce vomiting. Never give anything by mouth to anyone who is unconscious or convulsing. Get medical attention.

**Special Precautions:** NA

**Section 5 - Fire Fighting Measures**

**Flash Point:** N/A

**Burning Rate:** N/A

**Auto Ignition:** N/A  
**Temperature**

**LEL:** N/A

**UEL:** N/A

**Flammability**  
**Classification:** N/A

**Extinguishing**  
**Media:** N/A

**Unusual Fire/Explosion Hazards:** Use that of surrounding fire

**Hazardous Combustion Products:** None listed

**Instructions:** Do not release runoff from fire control methods, to sewers, or waterways.

**Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (scba) with a full facepiece operated with pressure demand or positive-pressure mode.

**Section 6 - Accidental Release Measures**

**Spill/Leak Procedures:**

**Small Spills:** Sec6ARMSmSp

**Large Spills:** For containment; dike far ahead of the spill. Cover with dry earth, dry sand, or non-combustible material. Do not release into sewer or waterways.

**Regulatory Requirement:** Follow applicable OSHA regulations (29 CFR 1910.120).

### ***Section 7 - Handling and Storage***

#### **Handling**

**Precautions:** Wear safety glasses, goggles, or face shield, safety gloves, personal protective clothing, and organic vapor respirator or airline.

#### **Storage**

**Requirements:** Store in closed container, cool, dry, in well-ventilated area, away from source of heat, and incompatible materials. Store in plastic.

#### **Regulatory**

**Requirement:** See section 15 of this MSDS. SARA 312

### ***Section 8 - Exposure Controls/ Personal Protection***

#### **Engineering**

**Controls:** N/A

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

#### **Administrative**

**Controls:** N/A

#### **Respiratory**

**Protection:** Seek professional advice prior to respirator selection and use, Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels or storage tanks), wear an SCBA. Warning! Air purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

#### **Protective**

##### **Clothing/**

**Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety glasses. Per OSHA eye-and-face-protection regulations (29 CFR 1910.133).

#### **Safety**

**Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

#### **Contaminated**

**Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Contact lenses are not safety protection; soft lenses absorb and all lenses concentrate exposure. Practice good personal hygiene after use of this material especially before eating, drinking, smoking, using the toilet or applying cosmetics. Never eat, drink, or smoke in work areas.

### ***Section 9 - Physical and Chemical Properties***

**Physical State:** liquid

**Odor Threshold:** N/A

**pH:** NA

**Vapor Press:** 14**Boiling Point:** CA 100C**Vapor Density:** 0.7**Freezing/ Melting Point:** NA**Formula Weight:** N/A**Viscosity:** N/A**Density:** N/A**Refract Index:** N/A**Spec Gravity:** like water**Surface Tension:** N/A**% Volatile:** NA**Appearance****Odor:** A clear colorless solution with no odor**Evaporation****Rate:** NA**Water****Solubility:** CompleteN/A**Section 10 - Stability and Reactivity****Stability:** Stable**Polymerization:** Cannot not occur**Chemical****Incompatibilities:** Water reactive chemical**Conditions to Avoid:** Reacts exothermically with water. Sulfur oxides can result from decomposition.**Hazardous****Decomposition****Products:** N/A**Section 11 - Toxicological Information****Eye Effect:** Irritation**Skin Effect:** Irritation**Acute****Inhalation****Effects:** Irritant**Acute Oral****Effects:** RAT, oral, LD50:531 mg/kg**Chronic Effects:** See section 3 in this MSDS.**Carcinogenicity:** Not listed**Mutagenicity:** Not listed**Teratogenicity:** Not listed**Section 12 - Ecological Information**

**Ecotoxicity:** N/A

**Environmental Fate:** N/A

**Environmental Transport:** N/A

**Environmental Degradation:** N/A

**Soil Absorption Mobility:** N/A

**Section 13 - Disposal Considerations**

**Disposal:** Contact your supplier or licensed contractor for detailed recommendations. Follow applicable Federal, State, and Local regulations.

**Disposal Regulatory Requirements:** See section of this MSDS.

**Container Cleaning and Disposal:** N/A

**Section 14 - Transport Information**

**Shipping Name:** Not regulated

**Shipping Symbol:** N/A

**Hazard Class:** NA

**Id No:** N/A

**Packing Group:** N/A

**Label:** N/A

**Special Provision:** N/A

**Packaging Exceptions:** N/A

**Nn-Blk Packaging:** N/A

**Bulk Packaging:** N/A

*Quantity Limitations:*

**Passenger, Air, or Rail:** N/A

**Cargo Aircraft Only:** N/A

*Vessel Stowage Requirements:*

**Vessel Stowage:** N/A

**Other:** N/A

**Section 15 - Regulatory Information**

EPA Regulation:

RCRA hazardous waste number: Not listed (40 CFR 261.33)

RCRA hazardous Waste classification: (40 CFR 261.??): Not classified.

CERCLA hazardous Substance (40 CFR 302.4) listed/ specific peer RCRA, Sec 3001; CWA, Sec 311 (b)(4); CWA, Sec 307(a), CAA, Sec 12

CERCLA Reportable Quality (RQ)

SARA 311/312 Codes: 114, 1156, 118, 119

SARA Toxic Chemical (40 CFR 372.65): 17

SARA EHS (Extremely hazardous substance)(40 CFR 355): Not listed, Threshold Planning Quality (TPQ) Listed

OSHA Regulations:

Air contaminant (29 CFR 1910.1000, Table Z-1-A):43

OSHA Specifically Regulated Substance(29 CFR 1910.1000) 44

State Regulations: STCC Listed, 41

DOT(40 CFR 172.101 Append.) 71

ACGIH Threshold Limit Value: 62

MAK listed

TSCA listed

ANNEX I listed

**Section 16 - Other Information**

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