

# SAFETY DATA SHEET

Date Issued : 05/18/2020

SDS No : PDQ

## PDQ-180 One-Step Disinfectant

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PDQ-180 One-Step Disinfectant  
**GENERAL USE:** Disinfectant, Virucide, Fungicide  
**PRODUCT DESCRIPTION:** Disinfectant & Cleaner  
**CHEMICAL FAMILY:** Quaternary Ammonium Chloride Blend

#### MANUFACTURER

MISCO Products Corporation  
1048 Stinson Drive  
Reading, PA 19605  
**Emergency Phone:** 610-926-4106  
**Customer Service:** 800-548-4568  
**Transportation:** 800-548-4568  
**EPA REG. NO.:** 6836-349-8325

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924  
**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Corrosion, Category 1  
Skin Corrosion, Category 1B  
Acute Toxicity (Oral), Category 4

##### Physical:

Flammable Liquids, Category 3

#### GHS LABEL



Corrosion



Exclamation  
mark



Flame

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H318: Causes serious eye damage.  
H314: Causes severe skin burns and eye damage.  
H302: Harmful if swallowed.  
H226: Flammable liquid and vapour.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P270: Do not eat, drink or smoke when using this product.  
P264: Wash hands thoroughly after handling.  
P102: Keep out of reach of children.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P240: Ground and bond container and receiving equipment.  
P241: Use explosion-proof electrical, ventilating, lighting equipment.  
P242: Use non-sparking tools.  
P243: Take action to prevent static discharges.

##### Response:

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P310: Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363: Wash contaminated clothing before reuse.

P370+P378: In case of fire: Use dry chemical, foam or water mist to extinguish.

**Storage:**

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container according to all local, state and Federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Purple liquid.

**IMMEDIATE CONCERNS:** Causes irreversible eye damage and skin burns.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive, contact causes severe eye burns.

**SKIN:** Contact causes severe skin irritation and possible burns.

**SKIN ABSORPTION:** Harmful if absorbed through skin.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Not Established

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TERATOGENIC EFFECTS:** No known significant effects or critical hazards.

**CARCINOGENICITY:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

**ROUTES OF ENTRY:** Eye, skin, ingestion.

**TARGET ORGAN STATEMENT:** No known significant effects or critical hazards.

**CANCER STATEMENT:** None

**SENSITIZATION:** No known significant effects or critical hazards.

**WARNING CAUTION LABELS:** Irritant

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Alkyl dimethylbenzyl ammonium chloride(C12-C16)	8 - 10	68424-85-1
Didecyl dimethyl ammonium chloride	3.5 - 5	7173-51-5
Octyl decyl dimethyl ammonium chloride	6 - 8	32426-11-2
Diocetyl dimethyl ammonium chloride	2 - 5	5538-94-3
Dye	< 0.1	TS
Fragrance	< 1	TS
Water	75 - 85	7732-18-5

**COMMENTS:** If CAS number is "TS", the specific chemical identity has been withheld as a trade secret. If CAS number is "TS", the specific chemical identity has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, damage marked by burns.

**SKIN:** Burning sensation, redness.

**SKIN ABSORPTION:** Not Established

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE EFFECTS:** Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.

**CHRONIC EFFECTS:** No known significant effects or critical hazards.

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** II (100-140F)

**GENERAL HAZARD:** Combustible Liquid

**EXTINGUISHING MEDIA:** Use Dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Products of combustion are toxic.

**EXPLOSION HAZARDS:** None

**FIRE FIGHTING PROCEDURES:** Keep fire exposed containers cool with water stream or mist.

**FIRE FIGHTING EQUIPMENT:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

**FIRE EXPLOSION:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products may include: Carbon dioxide, Carbon monoxide, nitrogen oxides.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Shut off any ignition sources. Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Shut off all ignition sources. Ventilate area. Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**RELEASE NOTES:** Eliminate all ignition sources. Ventilate area well.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store away from excessive heat, spark or open flame. Store at temperatures below 140F. Keep container closed until used. Do not contaminate water, food, or feed by storage or disposal.

**HANDLING:** Wear eye protection, rubber gloves when handling concentrate.

**STORAGE:** Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use in well ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles and full face-shield.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Lavender

**ODOR THRESHOLD:** Not Established

**COLOR:** Purple

**pH:** 12.0 to 13.5

**PERCENT VOLATILE:** >80

**FLASH POINT AND METHOD:** 51.67°C (125°F) Tag Closed Cup (TCC)

**Notes:** Does not sustain combustion according to ASTM 4206.

**FLAMMABLE LIMITS:** Not determined to Not determined

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:** 20 mm Hg at (68°F)

**VAPOR DENSITY:** ~ 1 Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:** 32° F; 0° C

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** (Water =1) 1.0  
**DENSITY:** 8.47 at 20°C (68°F)  
**SPECIFIC GRAVITY:** 1.015 grams/ml. at 20°C (68°F)  
**VISCOSITY:** Slightly viscous.  
**(VOC):** Not yet Known

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**STABILITY:** Stable under normal storage and use conditions.  
**CONDITIONS TO AVOID:** Not Established  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
**INCOMPATIBLE MATERIALS:** None known.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Alkyl dimethylbenzyl ammonium chloride(C12-C16)	450 mg/kg (rat)	3342 mg/kg (rabbit)
Didecyl dimethyl ammonium chloride	268 mg/kg (mouse)	2730 mg/kg (rabbit)
Octyl decyl dimethyl ammonium chloride	200 to 2000 mg/kg (rat)	Not available
Diocetyl dimethyl ammonium chloride	50 mg/kg (mouse)	Not available

**DERMAL LD<sub>50</sub>:** > 2100 mg/kg male and female rabbits.

**ORAL LD<sub>50</sub>:** > 1600 mg/kg Male and Female rats.

**SKIN CORROSION/IRRITATION:** Corrosive

**SERIOUS EYE DAMAGE/IRRITATION:** Corrosive

**RESPIRATORY OR SKIN SENSITISATION:** Not yet Known

**GERM CELL MUTAGENICITY:** No known significant effects or critical hazards.

### CARCINOGENICITY

**IARC:** No listed substance

**NTP:** No listed substance

**REPRODUCTIVE TOXICITY:** No known significant effects or critical hazards.

**STOT-SINGLE EXPOSURE:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** This material may be toxic to aquatic life.

**BIOACCUMULATION/ACCUMULATION:** Not Established

**DISTRIBUTION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

**CHEMICAL FATE INFORMATION:** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at your local office, or the nearest EPA regional office for guidance.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.

**EMPTY CONTAINER:** Triple rinse container promptly after emptying. Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain and repeat. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Disinfectant, liquid, corrosive n.o.s.

**TECHNICAL NAME:** Quaternary Ammonium Compounds

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 1903

**PACKING GROUP:** III

**NAERG:** 153

**PLACARDS:** Corrosive

**LABEL:** Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

**OTHER SHIPPING INFORMATION:** Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

**U.S. CUSTOMS HARMONIZATION NUMBER:** 3808.94.0000

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Contact manufacturer for more information.

**TECHNICAL NAME:** Contact manufacturer for more information.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Disinfectant, liquid, corrosive n.o.s.

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**PACKING GROUP:** III

**EmS:** F-E

**LABEL:** Corrosive

## 15. REGULATORY INFORMATION

**UNITED STATES**

**DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**



Corrosive



Limited  
Quantity  
Ground

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HEALTH HAZARDS:** Acute Toxicity (Oral), Health - Acute

**311/312 PHYSICAL HAZARDS:** Flammable Liquids

**313 REPORTABLE INGREDIENTS:** No listed substance

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** No listed substance

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** NA = Not Applicable

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**CLEAN AIR ACT**

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** No listed substance

**CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS):** No listed substance

**CALIFORNIA PROPOSITION 65:** None

**RCRA STATUS:** No listed substance

**CLEAN WATER ACT:** No listed substance

**CARCINOGEN:** None

**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** Not yet Determined

**GENERAL COMMENTS:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

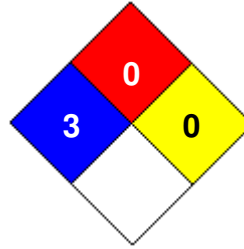
## 16. OTHER INFORMATION

**Date Prepared:** 05/18/2020

### HMIS RATING

HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

### NFPA CODES



**MANUFACTURER DISCLAIMER:** This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.