

Safety Data Sheet

DSC Products Inc.

Date Revised: 01/30/2024

SECTION 1: PRODUCT IDENTIFICATION

| | | | |
|--------------------------|-----------------------------|----------------------------------|--------------------|
| Manufacturer Name | DSC PRODUCTS INC | 24 Hr Emergency Telephone | (231) 739-2068 |
| Address | 1979 Latimer Dr. Building B | | |
| | Muskegon, MI 49442 | | |
| | (517) 545-8187 | www.dscprod.com | |
| Trade Name | PART BEE | Product Type | Bleaching Solution |
| Chemical Family | OXIDIZER | Formula | N/A |

SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification

Skin Corrosion/Irritation: Category 2
 Serious Eye Damage/Eye Irritation: Category 2A

GHS Label Elements

Signal Word: Warning
Symbols:



Hazard Statements: irritation.
 Causes serious eye irritation.
 May cause respiratory irritation.

Precautionary Statements:

Prevention: Wash hands and exposed skin thoroughly after handling.
 Wear eye/face protection.
 Wear protective gloves.

Response:

-Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help.
-Skin IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off clothing that is contaminated and wash before reuse.
-Specific Treatment See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage: Not Applicable
Disposal: Not Applicable

Hazards Not Otherwise Classified: Not Applicable

Other Information:
 -May be harmful if swallowed.
 -Inhalation of vapors or mist may cause respiratory irritation.
 -Keep out of reach of children.



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Name/Common Name | % (optional) | Cas.No. | OSHA PEL | ACGIH TLV (source) |
|-------------------|--------------|-----------|----------|--------------------|
| Hydrogen Peroxide | | 7722-84-1 | | 1 ppm (for 90%) |

SECTION 4: FIRST AID MEASURES

| | |
|-------------------|--|
| Eyes | Flush with water, if irritation persists, consult physician |
| Skin | Wash with soap and water, if irritation persists, consult physician |
| Ingestion | Give large quantity of water, Do Not induce vomiting, get medical attention |
| Inhalation | Remove to fresh air, if unconscious give artificial respiration, get medical attention |

SECTION 5: FIRE FIGHTING MEASURES

| | | | |
|---|--|---|----------------|
| Flash Point (T.C.C.) | N/A | Boiling | None to limits |
| Flammable Limits | N/A | Upper | Lower |
| Extinguishing Media | Water, Fog, CO2 | Special Fire Fighting Procedures | None |
| Unusual Fire and Explosion Hazards | Heat releases SO2 Which intensifies fire. | | |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Steps to be taken if released or spilled | Sweep up and place in suitable container |
| Waste disposal methods | Dispose to landfill in conformance with local, state & federal regulations. |

SECTION 7: HANDLING AND STORAGE

| |
|---|
| Precautions to be taken in handling and storage: Never return to original drum, Drums to be rinse before discarding. |
| Other: KEEP OUT OF REACH OF CHILDREN |
| Keep container tightly closed and store in a cool place. Do not mix with other chemicals, keep away from heat. |

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

| | | | |
|---|---|-----------------------|-------------------------------|
| Respiratory Protection | Not required unless product is atomized | | |
| Ventilation | Local X | Mechanical X | Other |
| Protective Gloves | Impervious to chemicals | Eye Protection | Chemical goggles Full Mask |
| Other Protective Clothing or Equipment | Protect parts of body that may come in contact with product | | |
| Work/Hygienic Practices | Wash with soap and water after contact | | |

Chemical Name
Hydrogen Peroxide

OSHA PEL
TWA: 1 ppm, 1.4 mg/m3

ACGIH TLV
TWA: 1 ppm, 1.4 mg/m3 total dust

Supplier OEL
TWA: NL
STEL: NL



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | | | |
|-------------------------------------|------------|----------------------------|----------------------------|---------------------------|-----|
| Boiling Point (degrees F) | 212 | Specific Gravity (H2O=1.0) | 1.07 | pH | 4 |
| Vapor Pressure (mm Hg) | 31 | Vapor Density (Air = 1) | N/A | Melting Point (degrees F) | N/A |
| Solubility in Water | Complete X | Invisible | Emulsible (or dispersible) | Slight (or partial) | |
| Evaporation Rate (vs. H2O) | | Faster | Slower | About the same X | |
| Appearance and Odor: Slightly Sharp | | | Clear, Colorless liquid | | |

SECTION 10: STABILITY AND REACTIVITY

| | | | |
|----------------------------------|----------------------|--------------------------|-------------------------|
| Stability | Stable | Incompatibility | Strong oxidizing agents |
| Hazardous Decomposition Products | Organic fume, Oxygen | Hazardous Polymerization | Will not occur |

SECTION 11: TOXICOLOGY INFORMATION

| | | | | | |
|---|-----------------------------------|--------|----------------------|---|--------|
| Threshold Limit Value – Product (Section 2-TLV) (1 PPM 90%) | None Established X | | Not Applicable | | |
| Primary Routes of Exposure | Eye x | Skin X | Oral X | InhalationX | Other |
| Signs and Symptoms of Over-exposure (acute) | | | | | |
| Eyes | Burning sensation, irritation | | Skin | Severe irritation, white discoloration | |
| Inhalation | Causes severe irritation to lungs | | Ingestion | Gastric disturbances, sensitization reactions, coma | |
| Signs and Symptoms of Over-exposure (chronic) | | | Respiratory Distress | | |
| Medical Conditions aggravated by Over-exposure | | | Respiratory disease | | |
| Carcinogen or Suspect Carcinogen Ingredients | | NP | ARC | OSHA | None X |

Hydrogen Peroxide:

Oral LD50 (Rat): .2000 mg/kg (rat)

Dermal LD50 (Rabbit): .2000 mg/kg (rabbit)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information

Channel catfish 96 hour LC50 = 37.4 mg/L
Fathead minnow 96 hour LC50 = 16.4 mg/L
Daphnia magna 24 hour EC50 = 7.7 mg/L
Daphnia pulex 48 hour LC50 = 2.4 mg/L
Freshwater snail 96 hour LC50 = 17.7 mg/L

For more information refer to ECETOC "Joint Assessment of Commodity Chemicals No. 22, Hydrogen Peroxide." ISSN-0773-6339, January 1993

Chemical Fate Information

Hydrogen peroxide in the aquatic environment is subject to various reduction or oxidation processes and decomposes into water and oxygen. Hydrogen peroxide half-life in freshwater ranged from 8 hours to 20 days, in air from 10-20 hrs. Add in soils from minutes to hours depending upon microbiological activity and metal contaminants.

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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Method

An acceptable method of disposal is to dilute with a large amount of water and allow the hydrogen peroxide to decompose followed by discharge into a suitable treatment system in accordance with all regulatory agencies. The appropriate regulatory agencies should be contacted prior to disposal.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT (Department of Transportation)

Proper shipping name: Hydrogen peroxide, aqueous solution with not less than 20% but not more than 40% hydrogen peroxide

Primary hazard class/division: 5.1 (Oxidizer)

UN/NA Number UN 2014

Packing Group: II

Placards: 5.1 (Oxidizer)

Label: Oxidizer, corrosive

Other shipping information:

DOT Marking: Hydrogen peroxide, aqueous solution with not less than 20%, but not more than 40% Hydrogen Peroxide, UN 2014

Hazardous substance/RQ: Not applicable

49 STCC Number: 4918776

Aluminum tanks, drum/DOT 42D

Special Shipping Notes

IMDG: Hydrogen peroxide, aqueous solutions with not less than 20%, but not more than 40% hydrogen peroxide

IATA: Hydrogen peroxide, aqueous solutions with not less than 20%, but not more than 40% hydrogen peroxide (*).

(*). Air regulations permit shipment of Hydrogen Peroxide (20-40%) in unvented containers for Air Cargo Only aircraft, as well as for Passenger and Cargo aircraft. HOWEVER, all FMC Hydrogen Peroxide containers are vented therefore, air shipments of FMC H2O2 are not permitted. IATA air regulations state that venting of packages containing oxidizing substances is not permitted for air transport.

Protect from physical damage. Keep drums in upright position. Drums should not be stacked in transit. Do not store drum on wooden pallets.

SECTION 15: REGULATORY INFORMATION

United States

SARA Title III (Superfund Amendments and Reauthorization Act)

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355):
Not listed.

Section 311 Hazard Category (40 CFR 370):

Fire Hazard

Immediate (Acute) Health Hazard

Section 312 Threshold Planning Quantity (40 CFR 372):

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10,000 lbs. (conc. <52%)

Section 313 Reportable Ingredients (40 CFR 372):

Not listed.

CERCLA (Comprehensive Environmental Response Compensation and Liability Act)

CERCLA Regulatory (40 CFR 302.4): Unlisted (Hydrogen Peroxide 20-40%); RQ = 100 lbs.; Ignitability, Corrosivity

TSCA (Toxic Substance Control Act)

TSCA Status (40 CFR 710): Listed

RCRA Status:

Waste No. D001 Waste No. D002

Canada

WHMIS (Workplace Hazardous Materials Information System):

Product Identification No.: 2014

Hazard Classification: Class C (Oxidizer), Class D, Div. 2, Subdiv. B. (Toxic) Class E (Corrosive)

Ingredient Disclosure List: Listed

SECTION 16: OTHER INFORMATION

| | Health | Fire | Reactivity | Special | Personal Protection Index |
|-------------|--------|------|------------|---------|---------------------------|
| NFPA | 1 | 2 | 0 | 0 | B |
| HMIS | 1 | 2 | 0 | 0 | B |

Notice to Reader

The information contained herein is deemed accurate and complete at the time of this publication. Use of the product beyond care, custody and control of the manufacture shall bear no warranty whether implied or expressed. DSC Products, Inc. assumes no liability for injury to any person or property resulting of this product without strict adherence to safety procedures. User bears all risks concerning use of the product as designated through labeling. It is recommended any and all data, directives and recommendations should be followed accordingly. This does not apply to any combination with other materials, chemical compounds or processes not inclusive of aforementioned specifications.