



Fortis Sporidical Disinfectant Concentrate (US)

Version Number: 4

Preparation date: 2015-04-16

1. IDENTIFICATION

Product name: Fortis Sporidical Disinfectant Concentrate (US)
Product Code: 100856975
SDS #: MS0800299
Recommended use: • Disinfectant
Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:

US Headquarters
 Diversey, Inc.
 P.O. Box 19747
 Charlotte, NC 28219-0747
 Phone: 1-888-352-2249
 SDS Internet Address: www.diversey.com

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Acute inhalation toxicity - vapor	Category 4
Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Flammability	Combustible liquid, Category 4
Organic peroxides	Organic Peroxide F



Signal Word:

Danger.

Precautionary Statements

COMBUSTIBLE LIQUID. HEATING MAY CAUSE A FIRE. MAY CAUSE CANCER. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF INHALED. MAY CAUSE RESPIRATORY IRRITATION.

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep and store away from clothing and other combustible materials. Keep only in original container. Keep cool. Protect from sunlight. Do not breathe spray. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. IF exposed or concerned: Get medical attention or advice. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. Store in a cool, dry, well-ventilated place. Store at temperatures not exceeding 50 °C (122 °F). Store away from other materials. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat.

Health hazards not otherwise classified (HHNOC) - Not applicable

Physical hazards not otherwise classified (PHNOC) - Not applicable

Classification for the diluted product @ 1:32

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and current Canadian Controlled Products Regulations (CPR).

Precautionary Statements

None required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Hydrogen peroxide	7722-84-1	20 - 30%
Acetic acid	64-19-7	5 - 10%
Peracetic acid	79-21-0	5 - 10%
Phosphonic acid	2809-21-4	1% - < 3%
Sulfuric acid	7664-93-9	> 0.1% - < 1%

*Exact percentages are being withheld as trade secret information

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed Not applicable.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

Diluted Product:

Eyes: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Skin: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Inhalation: No specific first aid measures are required

Ingestion: Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Specific methods:

No special methods required

Suitable extinguishing media:

Extinguish fire using agent suitable for surrounding fire. Flood fire area with large quantities of water, while knocking down vapors with water fog. If insufficient water supply: knock down vapors only.

Specific hazards:

Oxidizer. Decomposition releases oxygen, which may intensify fire. Corrosive material (See sections 8 and 10).

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Put on appropriate personal protective equipment (see Section 8.). DO NOT use combustible materials such as sawdust.

Environmental precautions and clean-up methods:

Clean-up methods - large spillage. Eliminate all ignition sources. Prevent product from entering drains. Oxidizing material, do not allow to dry on material which may burn. Contamination with organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. Use clean equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. All precautions for handling the product must be used in handling the empty container and residue. **OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.** Contamination with organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. **COMBUSTIBLE LIQUID AND VAPOR.** Keep away from open flames, hot surfaces and sources of ignition. Mix only with water. **DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS.** May react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat. **FOR COMMERCIAL AND INDUSTRIAL USE ONLY.**

Storage: Protect from freezing. Store in a cool, dry place, isolated from all organic material. Avoid heat and direct sunlight. Keep container closed. **KEEP OUT OF REACH OF CHILDREN.**

Aerosol Level (if applicable) : Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	CAS #	ACGIH	OSHA
Hydrogen peroxide	7722-84-1	1 ppm (TWA)	1 ppm (TWA) 1.4 mg/m ³ (TWA)
Acetic acid	64-19-7	15 ppm (STEL) 10 ppm (TWA)	10 ppm (TWA) 25 mg/m ³ (TWA)
Peracetic acid	79-21-0	0.4 ppm (STEL)	-
Phosphonic acid	2809-21-4	-	-
Sulfuric acid	7664-93-9	0.2 mg/m ³ (TWA)	1 mg/m ³ (TWA)

Undiluted Product:

Engineering measures to reduce exposure:

Use only in well-ventilated areas Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection:

Chemical-splash goggles.

Hand protection:

Chemical-resistant gloves.

Skin and body protection:

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:

Personal Protective Equipment

Eye protection:

No personal protective equipment required under normal use conditions.

Hand protection:

No personal protective equipment required under normal use conditions.

Skin and body protection:

No personal protective equipment required under normal use conditions.

Respiratory protection:

No personal protective equipment required under normal use conditions.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid
Evaporation Rate: No information available
Odor threshold: No information available.
Melting point/range: Not determined
Autoignition temperature: No information available
Solubility in other solvents: No information available
Density: 9.52 lbs/gal 1.141 Kg/L
Bulk density: No information available
Flash point: 181 °F 83 °C
Dilution Flash Point: > 200 °F > 93.4 °C
Elemental Phosphorus: 0.23 % by wt.
pH: 1
Dilution pH: 2 @ 1:32
Metal Corrosion: Not determined
Explosion limits: - upper: Not determined - lower: Not determined

Color: Clear Colorless
Odor: Pungent Acetic Acid
Boiling point/range: Not determined
Decomposition temperature: Not determined
Solubility: Completely Soluble
Relative Density (relative to water): 1.141
Vapor density: No information available
Vapor pressure: No information available.
Partition coefficient (n-octanol/water): No information available
Viscosity: No information available
VOC: 12.9 % *
VOC % by wt. at use dilution 0.39 % *
Flammability (Solid or Gas): Not applicable

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Reactivity: Not Applicable
Stability: The product is stable
Possibility of hazardous reactions: May vigorously react with strong alkaline products resulting in spattering and excessive heat.
Hazardous decomposition products: Oxygen.
Materials to avoid: Ammonia. Combustible Materials. Organic materials. Reducing agents. Strong bases. Do not mix with chlorinated products (such as bleach). Do not mix with any other product or chemical unless specified in the use directions.
Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition. Strong sunlight for prolonged periods.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
 Skin contact, Inhalation, Ingestion, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).
Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.
Ingestion: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.
Inhalation: Harmful if inhaled. May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.
Sensitization: No known effects.
Target Organs (SE): None known
Target Organs (RE): None known

Ingredient(s)	CAS #	NTP	IARC	OSHA
Sulfuric acid	7664-93-9	X	1	

Numerical measures of toxicity

ATE - Oral (mg/kg): 3600
 ATE - Dermal (mg/kg): >5000
 ATE - Inhalatory, mists (mg/l): >20
 ATE - Inhalatory, vapors (mg/l): 3

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: 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 the nearest EPA Regional Office for guidance. This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. This product, when diluted as stated on this MSDS, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Contaminated Packaging: Do not re-use empty containers.

RCRA Hazard Class (undiluted product): D001 Ignitable Waste D002 Corrosive Waste

RCRA Hazard Class (diluted product): D002 Corrosive Waste

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, **only available through Internet Explorer**, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

DOT (Ground) Bill of Lading Description: UN3109, ORGANIC PEROXIDE TYPE F, LIQUID, STABILIZED, (less than 18% peroxyacetic acid), 5.2, (8), II

IMDG (Ocean) Bill of Lading Description: UN3109, ORGANIC PEROXIDE TYPE F, LIQUID, STABILIZED, (less than 18% peroxyacetic acid), 5.2, (8), II

15. REGULATORY INFORMATION

International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

EPA Reg. No. : 10324-214-70627

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

KEEP OUT OF REACH OF CHILDREN. HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed. May be fatal if inhaled. Do not get into eyes, on skin or on clothing. Do not breathe vapors or spray mist. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse. PHYSICAL OR CHEMICAL HAZARDS. STRONG OXIDIZING AGENT. CORROSIVE. Mix only with potable water at 60-80°F. Product must be diluted in accordance with label directions prior to use. This product is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen release could initiate combustion. Never bring this product in contact with other sanitizers, cleaners or organic substances. ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds, fish and aquatic invertebrates.

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65.

RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Hydrogen peroxide	7722-84-1	X	X	X	X
Acetic acid	64-19-7	X	X	X	X
Peracetic acid	79-21-0	X	X	X	X
Phosphonic acid	2809-21-4	-	-	-	-
Sulfuric acid	7664-93-9	X	X	X	X

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hydrogen peroxide	7722-84-1	20 - 30%		1000	
Acetic acid	64-19-7	5 - 10%	5000		
Peracetic acid	79-21-0	5 - 10%		500	X
Sulfuric acid	7664-93-9	> 0.1% - < 1%	1000	1000	X

SARA 311/312 Hazard Categories

Immediate: X
Delayed: X
Fire: X
Reactivity: X
Sudden Release of Pressure: -

Canadian Regulations

WHMIS hazard class: Not for sale in Canada.

Ingredient(s)	CAS #	NPRI
Peracetic acid	79-21-0	X
Sulfuric acid	7664-93-9	X

16. OTHER INFORMATION**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3

Flammability 2

Instability 1

Version Number: 4

Preparation date: 2015-04-16

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: • Does not contain an added fragrance

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