

Safety Data Sheet

Acc. To OSHA HCS (29 CFR 1910.1200)

7/20/2019

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Trade Name: SteriCide™ RTU (16 oz / 32 oz / 128 oz.) ORM-D Consumer Commodity Exemption

1. PRODUCT IDENTIFICATION

Product Identifier: 77467

EPA Pesticide Registration Number: 58300-25

Trade Name: SteriCide™ RTU (Ready to Use)

Recommended use and restriction of use

Recommended use: EPA sterilant

Restrictions on use: Use only as directed

Details of Supplier/Manufacturer of Safety Data Sheet:

ConSeal International, Inc.

EcoClear Products, Inc.

90 Kerry Place, Suite 2

5581 Broadcast Court

Norwood, MA 02062

Sarasota, FL 34240

(781) 278-0010

(941) 423-7289

Emergency Telephone number: ChemTel, Inc. (800) 255-3924, 1+ (813) 248-0585

2. HAZARD IDENTIFICATION

Classification

Corrosive to Aluminum, Excepted per 49CFR 173.154 (d) (1). This product was tested for corrosivity toward a steel surface and found to be **Non-Corrosive** by the test protocol. It is therefore specifically exempted from corrosive warnings for transportation purposes.

Appearance White

Physical state Liquid

Odor No data available

GHS Label elements, including precautionary statements

Danger

Hazard statements

Causes skin irritation

Causes serious eye damage

Combustible Liquid

Heating may cause a fire



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Precautionary statements:

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P220 - Keep/Store away from clothing/combustible materials

P234 - Keep only in original container

P235 - Keep cool

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

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

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P310 - Immediately call a POISON CENTER or doctor

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P310 - Immediately call a POISON CENTER or doctor

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P370 + P378 - In case of fire: Use water for extinction

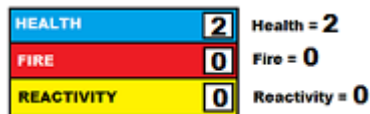
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P411 + P235 - Store at temperatures not exceeding 30 °C/ 86 °F. Keep cool P410 - Protect from sunlight

Hazard description:

WHMIS symbols:

Classification system:



NFPA ratings (scale 0-4)

HMIS ratings (scale 0-4)

Other Hazards

Results of PBT and vPvB assessment:

PBT: Not Applicable

vPvB: Not Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterizations: Proprietary

Description: Mixture of substances

Dangerous components:

CAS No	Chemical name	Range %
79-21-0	Peracetic Acid	<1%
7722-84-1	Hydrogen Peroxide	<7%
Mixture	Water and non-hazardous ingredients	>92%

***Additional information:** For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

General information:

After inhalation: Move to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.

After skin contact: Immediately flush with plenty of water while removing contaminated clothing and/or shoes, and thoroughly wash with soap and water. Seek immediate medical attention/advice. Wash contaminated clothing with plenty of water to prevent fire hazard

After eye contact: Rinse opened eye(s) for several minutes with running water. Hold eye open and rinse slowly and gently with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Seek immediate medical attention.

After swallowing: Rinse out mouth and then drink plenty of water. Vomiting may occur; immediately call for medical help.

Information for doctor: None known

Most important symptoms and effects, both acute and delayed: Can cause severe eye irritation and corrosion and dermatitis on contact with skin

Danger issues:

Causes irreversible eye irritation or damage. May cause skin irritation. Inhalation of mists may cause irritation of the mucous membranes and upper respiratory tract. Ingestion may cause gastrointestinal irritation, nausea and diarrhea.

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Indication of an immediate medical attention and special treatment needed:

This product can be corrosive to skin, eyes, and mucous membranes. Consideration should be given to careful endoscopy as stomach or esophageal burns, perforations or strictures may occur. Careful gastric lavage with an endotracheal tube in place should be considered. Observations may be warranted. Treatment is controlled removal of exposure followed by symptomatic and supportive care.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons, unsuitable extinguishing agents: Chemical type extinguishers may not be effective

Special hazards arising from the substance or mixture: Decomposition under fire conditions may release oxygen that can intensify fire

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information: No further relevant information available

6. ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures:

Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see Section 8.

Environmental precautions: Do not allow product to enter sewers, surface of ground water.

Methods and materials for containment and clean up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to Sec. 13

Reference to other section: Refer to Sec. 7, 8, and 13.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling:

Use in well ventilated areas

Open and handle receptacles with care.

Avoid splashes or sprays in enclosed areas

Avoid contact with eyes and skin.

Wash hands before breaks and at the end of work.

Use personal protective equipment as required

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including and incompatibilities:

Oxidizing agents; Strong reducing agents; Combustible materials; Heavy metals such as iron, copper, chromium, nickel, aluminum and cobalt

Storage

Requirements to be met by storerooms and receptacles:

Do not stored near reducing agents, fuels or other non-compatible materials. Keep in a dry, cool and well-ventilated place. Keep at temperatures below 30°C. Higher temperatures will accelerate decomposition resulting in loss of assay. Keep away from direct sunlight. Keep away from heat and sources of ignition i.e.,

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steam pipes, radiant heaters, hot air vents or welding sparks. Use first in, first out storage system. Do not double-stack. Containers must be vented.

Information about storage in one common storage facility:

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Specific end uses: No further relevant information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7

Control parameters

Components with limit values that require monitoring at the workplace:

Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by using local exhaust ventilation and good general extraction. Ensure that eyewash stations and safety showers are close to the workstation location.

Additional information: The lists that were valid during the creation were used as the basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed

Keep away from foodstuff, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Avoid contact with the eye and skin

Use only in well ventilated areas.

Engineering controls:



Breathing equipment: Not normally needed when used in well ventilated area. Avoid mist and vapor.

Protection of hands: Rubber/latex/neoprene or other suitable chemical resistant gloves. Wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

Material of gloves: Rubber/latex/neoprene

Penetration time of glove material: Not available

Eye protection: Safety glasses recommended

Body protection: Standard work cloths recommended

Limitation and supervision of exposure into the environment: No further relevant information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information

Appearance:

Form: Liquid

Color: Clear

Odor: Mild

Odor threshold: Not determined

pH value: 4 - 5

Melt point/ range: Not determined

Boiling point/ range: Not determined

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Flash point: 72 C/163 F Tag closed cup

Flammability (solid, gaseous): Not applicable

Auto-ignition temp: Not determined

Decomposition temperature: Not determined

Auto igniting: Product is not self-igniting

Danger of explosion: Product does not present an explosion hazard

Explosion limits:

Lower: Not determined

Upper: Not determined

Vapor pressure at 20 C (F): Not determined

Density at 20 C (F):

Specific Gravity: 0.979 (8.14 lbs./gal.)

Vapor density: Not determined

Evaporation rate: Not determined

Solubility/miscibility with water: soluble

Partition coefficient (n-octanol/water): Not determined

Viscosity: Not determined

Solvent content:

VOC (California): < 20%

Other information: No further relevant information available

10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Thermal decomposition/conditions to be avoided: Store in cool, dry place. Avoid freezing

Possibility of hazardous reactions: Will not occur

Conditions to avoid: Heat, flames and sparks; Temperatures above 30°C. Higher temperatures will accelerate decomposition resulting in loss of assay

Incompatible materials: Oxidizing agents; Strong reducing agents; Combustible materials.

Hazardous decomposition components: Possible oxides of carbon (CO, CO₂)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC 50 values that are relevant for classification: Not determined

Primary irritant effect

On skin: Can cause irritation

On eyes: Can cause irritation

Sensitization: No sensitizing effects known

Sub-acute to chronic toxicity: No further relevant information available

Additional toxicological information:

Carcinogenic categories

NTP (National Toxicology Program): None of the ingredients is listed

OSHA-Ca (Occupational Safety and Health Administration): No further relevant information available

Probable routes of exposure

Acute effects (acute toxicity, irritation, and corrosivity): Severe skin and eye irritation can occur

Repeated Dose Toxicity: No further relevant information available

12. ECOLOGICAL INFORMATION

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Toxicity

Aquatic toxicity:

Persistence and degradability: Product is biodegradable

Bio-accumulative potential: Product will not bio-accumulate

Mobility in soil: None known

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of product to reach ground water, water course or sewage systems.

Other adverse effects: No further relevant information available

13. DISPOSAL CONSIDERATIONS

Waste treatments methods

Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual material should be treated as hazardous.

Un-cleaned packaging:

Recommendations: Disposal must be made according to official regulations

Recommended cleansing agent: Water, if necessary, with cleansing agents

14. TRANSPORTATION INFORMATION

UN-Number: N/A

DOT, ADR, IMDG, IATA:

UN proper shipping name:

Transport hazard class(s):

DOT, IMDG, IATA: ORM-D Consumer Commodity Exemption

Corrosive to Aluminum, Excepted per 49CFR 173.154 (d) (1). This product was tested for corrosivity toward a steel surface and found to be Non-Corrosive by the test protocol. It is therefore specifically exempted from corrosive warnings for transportation purposes.



Class: N/A

Packing group: N/A

Environmental hazards: None known

Marine pollutant: No

Transport/Additional information: None Known

Schedule B: 3808.62.0000

HS Code: 3808

15. REGULATORY INFORMATION

Safety, health and environmental regulation/legislation specific for the substance or mixture (USA)

SARA

Section 355 (extremely hazardous substances): None of ingredients are listed

Section 313 (Specific toxic chemical listings): peracetic acid 79-21-0

TSCA (Toxic Substance Control Act): All of ingredients are listed

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EPA Pesticide Registration Number: 58300-25

Prop 65 (California)

Chemicals known to cause cancer: None of ingredients are listed

Chemicals known to cause reproductive toxicity for females: None of ingredients are listed

Chemicals known to cause reproductive toxicity for males: None of ingredients are listed

Chemicals known to cause developmental toxicity: None of ingredients are listed

Carcinogenic Categories

EPA (Environmental Protection Agency): None of ingredients are listed

IARC (International Agency for Research on Cancer):

TVL (Threshold Limit Value established by ACGIH):

NIOSH-Ca (National Institute for Occupational Safety and Health): None of ingredients are listed

State Right to Know Listings: MA, NJ, PA (hydrogen peroxide 7722-84-1, peracetic acid 79-21-0)

Canadian substance listings

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

Other regulations, limitations and prohibitive regulation:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and SDS contains all the information required by the Controlled Products Regulations.

Chemical safety assessment: A Chemical safety assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

The health hazards given on the Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

Company warrants that the product or products described herein will conform to its published specifications. The products supplied by the company and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Company's materials for their own particular purpose. Since buyer's conditions of use of product are beyond Company's control, Company does not warrant any recommendations and information for the use of such products. Company disclaims all other warranties including the implied warranty of merchantability and fitness for any particular purpose in connection with the use of its products.

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