



AMERICAN AIR & WATER[®], INC.

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

PART NUMBER: SSS-1284C

PRODUCT DESCRIPTION: Activator for Sporidicin[®] Sterilizing and Disinfecting Solution

MANUFACTURER/DISTRIBUTOR Distributed By

American Air & Water, Inc.

12 Gibson Dr

Hilton Head Island, SC 29926

USA

TELEPHONE NUMBER:

888-378-4892

EMERGENCY TELEPHONE NUMBER:

Chemtrec: U.S.: 800-424-9300

International: +1-703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Concentration (% by weight)	CAS Number
Glutaraldehyde	25	111-30-8
Methanol	0.25	□7-5□1

3. HAZARDS IDENTIFICATION

Emergency Overview

Caution! None

Potential Health Effects

Eyes: Contact may cause eye injury and skin irritation.

Skin: Contact may cause slight irritation with itching and local redness. Contact with glutaraldehyde may cause a harmless yellow or brownish discoloration.

Ingestion: Moderately toxic May cause marked irritation and possible chemical burn to mouth, throat, esophagus, stomach. Pain in chest and abdomen, vomiting, diarrhea, dizziness, faintness, and circulatory shock, collapse and coma

Inhalation: Harmful if inhaled. High vapor concentrations may cause irritation of nose, possibly bleeding from nose, coughing, chest discomfort and tightness, difficulty with breathing. Heated solution may make effects more severe.

Chronic Health Effects

None listed

Signs and Symptoms of Exposure

None listed

Chronic Health Effects

Skin contact may aggravate an existing dermatitis. Inhalation may aggravate asthma and inflammatory or fibrotic pulmonary disease.

4. FIRST AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

Get medical assistance for all cases of overexposure.

Skin Contact: Wash with soap and water

Eye Contact: Immediately flush with water for at least 15 minutes. Lift eyelids occasionally. If condition worsens or irritation persists, get medical attention immediately.

Inhalation: Remove to fresh air

Ingestion: Do not give anything to drink. Do not induce vomiting.

Note to Physician: product is very corrosive, swallowing may lead to ulceration and inflammation of upper alimentary tract with hemorrhage and fluid loss. Perforation of esophagus or stomach occur, leading to mediastinitis or peritonitis and resultant complications. Material aspirated during vomiting may cause lung injury. Emesis either mechanically or pharmacologically should not be induced.

5. FIRE FIGHTING MEASURES

Flammable Limits: N/A (Aqueous solution)

Extinguishing Media: If water has evaporated, material can burn. Use for small fires CO₂ or dry chemical. Use for large fires alcohol foam or water fog.

Special Protective Equipment: Self-contained breathing apparatus and clothing

Unusual Fire and Explosion Hazards: None known.

Hazardous Combustion Products: CO and CO₂ from burning

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures: In case of a spill, contain the spill and eliminate its source. Flush area with equal amounts of water.

Clean-Up Procedure See Disposal Considerations.

7. HANDLING AND STORAGE

Handling: Wear suitable protective clothing, gloves, and eye ware

Storage: Keep container closed. Store between 15° - 30°C (59° - 86°F). Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: should be implemented to reduce exposure. Transfer material in an approved fume hood with adequate ventilation.

Personal Protective Equipment

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Respiratory Protection: if ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH / MSHA respiratory protection must be provided.

Protective Gloves: polyethylene, nitrile (NBR) or butyl

Eye Protection: Avoid contact with eyes. If splash hazard exists, wear chemical goggles.

OSHA PEL and ACGIH TLV: N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

The following delineates the physical and chemical properties for the solution:

Flash Point:	N/A
Boiling Point:	~-100.5 °C (~213 °F)
Freezing Point:	~-10 °C (~14 °F)
Vapor Density	0.8 (Air=1)
Evaporation Rate	0.9 (Butyl Acetate=1)
Specific Gravity:	1.012 @ 20 °C (H2O=1)
Vapor Pressure:	0.20 mm/Hg @ 20 °C
Solubility:	100% @ 20 °C
Appearance and Odor	Colorless, liquid, sharp, fruity, medicinal

10. STABILITY AND REACTIVITY

Chemical stability: Stable under ordinary conditions of use and storage (70° F, 1 atm); hazardous reactions do not occur.

Conditions to avoid: Temperatures above 100 °C (212 °F)

Materials to avoid: strong alkalis, acids catalyze an aldol-type condensation (exothermic, but not expected to be violent)

Hazardous Decomposition Products: CO and CO₂ from burning

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: Components are not listed as a carcinogen by NTP, IARC, OSHA.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Very low concentrations (5 ppm or less) of Glutaraldehyde can be degraded in a biological treatment system. Small spills can be flushed with large quantities of water. Can be incinerated in very hot fire or mixed with flammable solvent. Be sure to follow applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

Not regulated Consult shipper for labeling information and other requirements.

15. REGULATORY INFORMATION

Component Analysis-State:

Massachusetts 105 CMR 70.000 Right-to-Know. Substance List (MSL)
Hazardous Substances and Extra ordinary Hazardous Substances on the MSL must be identified when present in the products. Components in this product at a level which could require reporting under the statute are:

<u>Chemical</u>	<u>CAS #</u>	<u>Upper Bound Concentration %</u>
Glutaraldehyde	111-30-8	25

Hazard Symbol:

None

16. OTHER INFORMATION

NFPA Ratings: Health - 1; Flammability - 0; Reactivity - 0.

Date: 29 October 2008

To the best of our knowledge, the facts given are correct. However, the information is given without warranty as to its accuracy.

ACTIVATOR