

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name **ProCure Antibacterial Silver Wound Gel**
Product Code PCHSWG15
Company Name Twin Med LLC.
(Supplier of SDS)
Address 11333 Greenstone Ave. • Santa Fe Springs, CA 90670
Contact 1-877-TwinMed (894-6633)
Emergency 1-877-TwinMed (894-6633)
Relevant Use Used to manage and treat a variety of wounds by providing a moist healing environment.

2. HAZARD IDENTIFICATION

GHS Classification:

Physical Hazards:

Not classified

Health Hazards:

Skin corrosion/ irritation Category 3

Environmental Hazards:

Hazardous to the aquatic environment-Acute hazard Category 1

Hazardous to the aquatic environment-Chronic hazard Category 1

The hazards not mentionable are not applicable or no data available.

Label Elements:

Pictogram:



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**Signal Word:**

Warning

Hazard Statements:

H316 Causes mild skin irritation

H410 Very toxic to aquatic life with long lasting effects.

Prevention Precautionary Statements:

P273 Avoid release to the environment

Response Precautionary Statements:

P332+ P317 If skin irritation occurs: Get medical help

P391 Collect spillage

Storage Precautionary Statements:

None.

Disposal Precautionary Statements:

P501 Dispose of contents/ container in accordance with local/ regional/ national/ international regulation.

Other Hazards:

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name: Antibacterial Silver Gel Wound Dressing

Ingredient

Mixtures:

Purified water

Propylene glycol

Hydroxyethyl cellulose

Allantoin

Silver nitrate

Benzododecinium chloride

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4. FIRST AID MEASURES

Skin Exposure:

In case of skin contact, flush with copious amounts of water. If irritation persists, Call a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.

If the person feels unwell, Call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air immediately. If the person feels unwell, Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Most Important Symptoms/ Effects, Acute and Delayed:

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:

No data available.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

Specific Hazards Arising from the Chemical:

Environmentally hazardous substances. Take care as it may decompose upon combustion or in high temperatures to generate carbon oxides, nitrogen oxides, hydrogen chloride gas, silver oxides.

Special Protective Action for Fire-fighters:

Protective Equipment: Wear self- contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Remove all sources of ignition. Avoid breathing vapor. Keep people away from and upwind of spill/ leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Avoid entering drains. Avoid release to the environment. Collect spillage.

Methods and Materials for Containment and Cleaning up:

Mix with inert material (e.g. dry sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid inhalation. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Operators should be trained and strictly abide by operating procedures. Wear appropriate protective clothing and gloves. Avoid inhalation. Avoid contact with skin, eyes and clothing. Prevent generation of vapor or mist. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents. Handling and unloading should be light, to prevent packaging broken, damp and cause losses. Working place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

Conditions for Safe Storage, Including any Incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

GBZ 2. 1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace- Part 1: Chemical

Hazardous Agents:

Not set up

ACGIH:

Not set up

Appropriate Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

Individual Protection Measures:

Eye/ Face Protection:

Wear chemical safety glasses.

Skin Protection:

Hand Protection: Wear compatible protective gloves.

Body Protection: Wear appropriate protective clothing.

Respiratory Protection:

Wear government approved respirator.

Thermal Hazards:

No data available.

Other Protect:

No smoking, drinking, and eating at working site. Wash thoroughly after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white gel
Odor:	Weak odor
pH Value:	7-8
Solubility:	Partial soluble in water
Boiling Point, Initial Boiling Point and Boiling Range:	No data available
Melting Point/Freezing Point:	No data available
Flash Point (Closed Cup):	>96.0°C
Density/Relative Density:	No data available
Kinematic Viscosity:	No data available
Lower/Upper Explosion Limit/Flammabili ty Limit:	No data available
Vapour Pressure:	No data available
Relative Vapor Density:	No data available
Partition Coefficient N-Octanol/Water(Log Value):	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Particle Characteristics:	Not applicable
Flammability (Solid, Gas):	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical Stability:

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions:

No data available.

Conditions to Avoid:

No data available.

Incompatible Materials:

Strong Oxidizing agents.

Hazardous Decomposition Products:

Carbon oxides, nitrogen oxides, hydrogen chloride gas, silver oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Benzododecinium chloride: Rat Oral LD₅₀: 240 mg/kg

Skin Corrosion/Irritation:

Causes mild skin irritation.

Serious Eye Damage/Irritation:

No data available.

Respiratory Sensitization:

No data available.

Skin Sensitization:

No data available.

Germ Cell Mutagenicity:

No data available.

Carcinogenicity:

No data available.

Reproductive Toxicity:

No data available.

Specific Target Organ Toxicity -Single Exposure:

No data available.

Specific Target Organ Toxicity -Repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

12. ECOLOGICAL INFORMATION

Toxicity:

Silver nitrate: Toxicity to fish Semi-static test LC₅₀ - Pimephales promelas (fathead minnow) - 0.0012 mg/l - 96 h (US-EPA)

Toxicity to grebes and other aquatic invertebrates Semi-static test EC₅₀ - Daphnia magna (grebe) - 0.00022 mg/l - 48 h Remarks: (ECHA)

Toxicity to algae Static test ErC₅₀ - Raphidocelis subcapitata - 0.00252 mg/l - 72 h (OECD Test Guideline 201)

Static test EC₁₀ - Raphidocelis subcapitata - 0.00046 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to fish (chronic toxicity) Flow-through test NOEC - Pimephales promelas (fathead minnow) - 0.000351 mg/l - 34 d Remarks: (ECHA)

Toxicity to aquatic grebes and other aquatic invertebrates (chronic toxicity) Semi-static test EC₁₀ - Daphnia magna (waterweed) - 0.00046 mg/l - 72 d Note: (ECHA)

Toxicity to aquatic grebes and other aquatic invertebrates (chronic toxicity) Semi-static test EC₁₀ - Daphnia magna (Daphnia magna) - 0.0027 mg/l - 21 d Remarks: (ECHA)

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Recycle as far as possible. If unable to recycle, it is recommended to use incineration method for disposal under supervision. This product should not be disposed of by discharge into sewers. Return empty containers to the manufacturer or dispose of them in accordance with national and local regulations. Follow the relevant provisions of national and local regulations before disposal. It is recommended to be disposed of by a qualified chemical waste treatment department.

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14. TRANSPORT INFORMATION

RID/ADR(2023 Edition): Proper Shipping Name: Environmentally hazardous substance, liquid, n. o. s (Silver nitrate)
UN Number: UN3082
Hazard Class: 9
Packing Group: III

IATA DGR(65th Edition): Proper Shipping Name: Environmentally hazardous substance, liquid, n. o. s (Silver nitrate)
UN Number: UN3082
Hazard Class: 9
Packing Group: III

IMO IMDG CODE(2022 Edition): Proper Shipping Name: Environmentally hazardous substance, liquid, n. o. s (Silver nitrate)
UN Number: UN3082
Hazard Class: 9
Packing Group: III
EmS No.: F-A, S-F
Marine Pollutants: Yes

Environmental Hazards: Yes.

Special Precautions for User: No data available.

Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

Montreal Protocol:

Not Listed.

Stockholm Convention:

Not Listed.

Rotterdam Convention:

Not Listed.

EINECS/ELINCS:

All ingredients (except Benzododecinium chloride) in the product are listed.

TSCA:

All ingredients (except Benzododecinium chloride) in the product are listed.

IECSC:

All ingredients in the product are listed.

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16. OTHER INFORMATION

Abbreviations and Acronyms:

CAS: Chemical Abstracts Service EC: European Commission ACGIH: American Conference of Governmental Industrial Hygienists LD₅₀: Lethal dose, 50% LC₅₀: Median lethal dose EC₁₀: Concentration associated with 10% response EC₅₀: Effective concentration of substance that causes 50% of the maximum response ErC₅₀: EC₅₀ in terms of reduction of growth rate NOEC: No observed effect concentration OECD: Organization for Economic Cooperation and Development ECHA: European Chemicals Agency US-EPA: U.S. Environmental Protection Agency ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations concerning the International Carriage of Dangerous Goods by Rail IMO IMDG CODE: International Maritime Organization International Maritime Dangerous Goods Code IATA DGR: International Air Transport Association Dangerous Goods Regulations MARPOL: International Convention for the Prevention of Pollution from Ships IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances TSCA: Toxic Substances Control Act IECSC: Inventory of Existing Chemical Substances in China

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