



# Safety Data Sheet

## Sterillium Med

### Section 1. Identification

Product Identifier Sterillium Med  
Synonyms STRLMMED50; STRLMMED500; STRLMMED1000; MSD\_SDS0438  
Manufacturer Stock Numbers STRLMMED50; STRLMMED500; STRLMMED1000

Recommended use In-door use; Hand Sanitizer  
Uses advised against N.D.

Manufacturer Contact Address  
Medline Industries, Inc.  
3 Lakes Drive  
Northfield, IL, 60093  
USA

Phone  
(800) 633-5463

Emergency Phone  
(800) 424-9300  
CHEMTREC

Fax  
(847) 643-4436

Website  
[www.Medline.com](http://www.Medline.com)

### Section 2. Hazards Identification

Classification FLAMMABLE LIQUIDS - Category 2  
Signal Word Danger  
Pictogram



Hazard Statements Highly flammable liquid and vapor

### Precautionary Statements

|            |   |
|------------|---|
| Response   | If eye irritation persists: Get medical advice/attention.<br>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Prevention | Keep away from heat/sparks/open flames/hot surfaces. No smoking.<br>Keep container tightly closed.  |
| Storage    | N/A   |
| Disposal   | Dispose of contents/container to an approved waste disposal plant.  |
| General    | Keep out of reach of children   |

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

Other Hazards: None known.

## Section 3. Ingredients

| CAS     | Ingredient Name | Weight %  |
|---------|-----------------|-----------|
| 64-17-5 | Ethyl alcohol   | 70% - 90% |
| 67-63-0 | Propan-2-ol     | 1% - 5%   |

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First-Aid Measures

|  |  |
|--|--|
| General Advice:  | If you feel unwell, seek medical advice (show the label where possible).                 |
| Eye Contact:   | Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. |
| Ingestion:   | Do NOT induce vomiting. Rinse mouth.   |
| Most important symptoms and effects, both acute and delayed: | Tiredness; Eye irritation; Light-headedness; Giddiness                                   |
| Notes to physician:  | For specialist advice physicians should contact the Poisons Information Service.         |

## Section 5. Fire Fighting Measures

|                                |  |
|--------------------------------|--|
| Suitable Extinguishing Media   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable Extinguishing Media | None.  |
| Hazardous combustion products: | No hazardous combustion products are known.                              |
| Further information:           | Standard procedure for chemical fires.                                   |

Special Protective  
Equipment for  
Fire-Fighters:

Use personal protective equipment.

## Section 6. Accidental Release Measures

Personal precautions,  
protective equipment and  
emergency procedures:

Ensure adequate ventilation.

Environmental  
Precautions:

Should not be released into the environment.

Methods and materials for  
containment and cleaning  
up:

Wipe up with absorbent material (e.g. cloth, fleece).

## Section 7. Handling and Storage

Advice on protection  
against fire and explosion:

Keep away from sources of ignition - No smoking. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors.

Advice on safe handling:

Keep away from heat.

Conditions for safe  
storage:

Store at room temperature in the original container.

Materials to avoid:

Keep away from food and drink.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure  
Limits

| Ingredient Name | ACGIH TLV   | OSHA PEL  | STEL |
|-----------------|---|---|------|
| Ethyl alcohol   | STEL: 1,000 ppm<br>Note: Upper respiratory track irritation.<br>Confirmed animal carcinogen with unknown relevance to humans. | TWA: 1,000 ppm<br>1,900mg/mm <sup>3</sup><br><br>29 CFR 1910.1000 Table Z-1<br>Limits | N/A  |
| Propan-2-ol     | TWA: 200 ppm<br>STEL: 400 ppm   | TWA: 400 ppm<br>STEL: 500 ppm   | N/A  |

Personal Protective  
Equipment

N/A

Protective measures:

No special protective equipment required.

Hygiene measures:

Do not get in eyes. Keep away from food and drink.

## Section 9. Physical and Chemical Properties

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Physical State                        | N.D.                                  |
| Color                                 | Colorless liquid                      |
| Odor                                  | Alcohol-like                          |
| Odor Threshold                        | N.D.                                  |
| Solubility                            | Completely miscible                   |
| Partition coefficient Water/n-octanol | N.D.                                  |
| VOC%                                  | N/A                                   |
| Viscosity                             | N.D.                                  |
| Specific Gravity                      | N/A                                   |
| Density lbs/Gal                       | 0.81                                  |
| Pounds per Cubic Foot                 | N/A                                   |
| Flash Point                           | 20°C / 68°F                           |
| FP Method                             | ISO 3679                              |
| pH                                    | No data available                     |
| Melting Point                         | N.D.                                  |
| Boiling Point                         | >35°C / >95°F                         |
| Boiling Range                         | N/A                                   |
| LEL                                   | 62                                    |
| UEL                                   | N/A                                   |
| Evaporation Rate                      | N/A                                   |
| Flammability                          | N.D.                                  |
| Decomposition Temperature             | N.D.                                  |
| Auto-ignition Temperature             | N.D.                                  |
| Vapor Pressure                        | No data available                     |
| Vapor Density                         | 0.81 g/cm <sup>3</sup><br>(20°C/68°F) |

## Section 10. Stability and Reactivity

|                                     |   |
|-------------------------------------|---|
| Reactivity:                         | No decomposition if stored and applied as directed.             |
| Chemical Stability:                 | The product is chemically stable.                               |
| Possibility of Hazardous Reactions: | None reasonably foreseeable.                                    |
| Conditions to avoid:                | Heat, flames and sparks. Strong sunlight for prolonged periods. |
| Incompatible Materials:             | None  |

## Section 11. Toxicological Information

|   |   |
|---|---|
| Acute toxicity:   | Product<br>Acute oral toxicity:<br>Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method<br><br>Acute inhalation toxicity:<br>Acute toxicity estimate: > 200 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapor<br>Method: Calculation method<br><br>Acute dermal toxicity:<br>Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method<br><br>Ethyl Alcohol CAS No. 64-17-5<br>Acute oral toxicity:<br>LD50 Oral (Rat): 10,470 mg/kg<br>Method: OECD Test Guideline 401<br><br>Acute inhalation toxicity:<br>LC50 (Rat): 51 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapor<br>Method: OECD Test Guideline 403<br><br>Acute dermal toxicity:<br>LD50 Dermal (Rabbit): > 15,800 mg/kg<br><br>Propan-2-ol CAS No. 67-63-0<br>Acute oral toxicity:<br>LD50 Oral (Rat): > 5,000 mg/kg<br><br>Acute dermal toxicity:<br>LD50 Dermal (Rabbit): > 5,000 mg/kg |
| Skin corrosion/irritation:                                | No skin irritation  |
| Carcinogenicity:  | This information is not available.  |
| Reproductive toxicity:                                    | Effects on fertility: This information is not available.<br>Effects on fetal development: This information is not available.  |
| Specific Target Organ<br>Toxicity - Single exposure:      | No data available.  |
| Specific Target Organ<br>Toxicity - Repeated<br>exposure: | No data available.  |
| Repeated dose toxicity:                                   | This information is not available.  |
| Aspiration Hazard:  | No data available.  |
| Experience with human<br>exposure:                        | No data available.  |
| Toxicology, Metabolism,<br>Distribution:                  | No data available.  |

Neurological effects: No data available.

## Section 12. Ecological Information

**Ecotoxicity:**

Product

Toxicity to fish:  
No data available

Toxicity to daphnia and other aquatic invertebrates:  
No data available

Toxicity to algae:  
No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):  
No data available

Toxicity to microorganisms:  
No data available

Ethyl Alcohol CAS No. 64-17-5

Toxicity to fish:  
LC50 (Fish): 11,200 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:  
EC50 (Daphnia magna (Water flea)): 5,012 mg/l  
Exposure time: 48 h

Toxicity to algae:  
EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

Propan-2-ol CAS No. 67-63-0

Toxicity to fish:  
LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:  
EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae:  
EC50 (Scenedesmus capricornutum (fresh water algae)): > 100 mg/l  
Exposure time: 72 h

**Persistence and degradability:** Readily biodegradable.  
Remarks: The data is estimated based on the component aquatic toxicity classification.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects** Adsorbed organic bound halo-gens (AOX):  
No data available

Ozone-Depletion Potential:  
Regulation: 40 CFR Protection of Environment; Part 82 Protection of

Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

## Section 13. Disposal

**Waste from residues:** Dispose of as hazardous waste in compliance with local and national regulations.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**Contaminated packaging:** Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations.

## Section 14. Transport Information

UN Number 1987  
UN Proper Shipping Name ALCOHOLS, N.O.S. (ethanol, isopropanol)  
DOT Classification 3  
Packing Group II  
IMDG - UN Number 1987  
IMDG - UN Proper Shipping Name: Alcohols, n.o.s. (ethanol, isopropanol)  
IMDG - Hazard Class: 3  
IMDG - Packing Group: II  
IATA - UN Number: 1987  
IATA - UN Proper Shipping Name: Alcohols, n.o.s. (ethanol, isopropanol)  
IATA - Hazard Class: 3  
IATA - Packing Group: II

## Section 15. Regulatory Information

SARA 311/312: Refer to Section 2 of the SDS.  
SARA 302: N.A.  
SARA 304: N.A.  
SARA 313: N.A.  
TSCA: All components are listed or exempt.  
CERCLA Hazardous Substance List: N.A.  
Clean Air Act (CAA) Section 112, 112 (r): N.A.  
New Jersey Right to Know Components: Ethyl Alcohol  
Isopropyl Alcohol  
Pennsylvania Right to Know Components: Ethanol  
2-Propanol

Rhode Island Right to Know Components: Ethyl Alcohol  
Isopropyl Alcohol  
Massachusetts Right to Know Components: Ethanol

## Section 16. Other Information

Revision Date 8/23/2019

Legend N.A. - Not Applicable  
N.E. - Not Established  
N.D. - Not Determined

National Fire Protection Association (U.S.A): Health Hazard 0

National Fire Protection Association (U.S.A): Flammability 4

National Fire Protection Association (U.S.A): Instability Hazard 0

HMIS (U.S.A.): Health Hazard 0

HMIS (U.S.A.): Flammability 4

HMIS (U.S.A.): Physical Hazard 0

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