

SAFETY DATA SHEETS

This SDS packet was issued with item:

078557871

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078308755

Material Safety Data Sheet

MSDS: 54101
Rev.: A
Product: PREVACARE Antimicrobial Hand Gel
Issue Date: 01/03/2005

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Supplier:

Advanced Sterilization Products
33 Technology Drive
Irvine, CA 92618

Customer service telephone: 1-800-755-5900
Emergency telephone number: (800) 451-8346 or (760) 602-8700 - 24 hrs
Product name: PREVACARE Antimicrobial Hand Gel
Product code: ASPPREV
Synonyms: None
Intended Use: For external use only.

2. HAZARDS IDENTIFICATION

Emergency overview: External use only.

Properties affecting health: None.

Principle routes of exposure:

Oral: Non-toxic.

Eye contact: Contact with eyes may cause irritation.

Skin contact: Non-irritating to the skin.

Ingestion: Non-toxic.

Inhalation: May cause irritation to the upper respiratory tract.

Physico-chemical properties: Flammable.

Hazard information:

Target organ effects: Unknown on product.

Reproductive effects: Unknown on product.

Mutagenic effects: Unknown on product.

Sensitization: Non-sensitizing.

Carcinogenicity rating:

Components	CAS Number	J&J	NTP	IARC	California Proposition 65 List:
Ethyl alcohol	64-17-5	Not Determined.	Not Determined.	Listed	Not Determined.

Signs and symptoms: None.

Medical conditions aggravated by exposure: Unknown on product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product formulation contains no ingredients at their given percentages that are considered hazardous to your health.

Components	CAS Number	Weight %	J&J - OEL Data (TWA - 8 hr)	J&J - OEL Data (STEL):	J&J - OEL Data (Ceiling Limit Value):	J&J - PBOEL
Ethyl alcohol	64-17-5	>50	Not Determined	Not Determined	Not Determined	Not Determined

4. FIRST AID MEASURES

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Eye contact: In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

Ingestion: If ingested, seek medical attention immediately and show the label. If conscious, drink plenty of water. Call a physician or Poison Control Center immediately

Inhalation: Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

Skin contact: Get medical attention if irritation develops or persists.

Protection of first-aiders: Must wear proper personal protective equipment.

Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Flash point (°F): 74 (determined by ASTM D-56 (Tag Closed Cup))

Flash point (°C): 23.3

Autoignition temperature: 422 degrees Celsius (for ethanol)

Flammable limits in air - lower (%): 3.3

NFPA rating: Health 2, Flammability 3, Reactivity 0, Special Hazard -None

Fire fighting information:

Suitable extinguishing media: Use water, dry chemical, carbon dioxide or chemical foam. In the event of fire, cool tanks with water spray

Extinguishing media which must not be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.

Specific methods: None.

Special protective equipment for firefighters: Wear a self-contained breathing apparatus and full protective gear.

Hazardous combustion products: None.

Explosivity: None.

Explosion limits:

lower: 3.3 %

upper: 19 %

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: For large spills: Wear eye, skin and respiratory protection.

Environmental precautions: No special environmental precautions required. Do not allow significant quantities of product to enter drains, sewers or public waterways.

Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up: Clean-up methods - large spillage

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions: No special technical protective measures required.

Safe handling advice: Handle per labeled instructions.

Storage:

Technical measures/storage conditions: Keep away from heat, spark, and open flame.

Incompatible products: Keep from contact with oxidizing materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: In packaging and manufacturing operations, use local exhaust ventilation when handling or transferring containers.

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Eye protection: Eye and face protection recommended when manufacturing product.

Hand protection: Protective gloves recommended when manufacturing product.

Skin and body protection: None required.

Respiratory protection: None required. Respiratory protection is not anticipated for this product under normal application or use.

Other/general protection: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white gel

Physical state: Gel

Color: White

pH: 5.5 - 7.0

Odor: Pleasant

Boiling temperature (°C): 78

Freezing point/range (°C): -90 (ethanol)

Specific gravity: 0.90 at 25 deg. C

Vapor density: (air = 1): 1.59 (ethanol)

Vapor pressure: 44.6 mmHg @ 20 deg. C (ethanol)

Water solubility: Complete

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.

Hazardous polymerization: Hazardous polymerization does not occur.

Hazardous decomposition products: Not determined.

Materials to avoid: Stay away from strong oxidizing agents.

Conditions to avoid: Heat, flames and sparks.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50/oral/rat (mg/kg) = 1130

Local effects

Oral: Non-toxic.

Eye irritation: Contact with eyes may cause irritation.

Skin irritation: Minor irritation in a Cumulative Irritation Test in human subjects. Not irritating in Primary Irritation Patch Test.

Inhalation: May cause irritation to the upper respiratory tract.

Chronic toxicity

Oral: No effects expected.

Inhalation: Unknown on product.

Dermal: Unknown on product.

Subchronic toxicity

Oral: Unknown on product.

Dermal: Repeated Insult Patch Test did not induce dermal sensitization in human subjects.

Specific effects

Corrosive effects: Not corrosive.

Sensitization: Product is not a sensitizer.

Target organ effects: Unknown on product.

Mutagenic effects: Unknown on product.

Reproductive effects: No data is available on the product itself.

Developmental effects: Excessive ingestion of ethanol may cause harm to the unborn child.

Carcinogenic effects: Unknown on product.

General notes: Non Phototoxic.

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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity effects: This product has no known eco-toxicological effects.

Aquatic toxicity effects: This product has no known aquatic toxicological effects.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: None.

Methods for cleaning up: Clean-up methods - large spillage

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

14. TRANSPORT INFORMATION

DOT:

DOT shipping name: Consumer Commodity ORM-D

IATA/ICAO:

ID/UN No.: UN 1170

Proper shipping name: Ethanol solutions

Hazard class: 3

Packing group: PG III

IATA - label: 3 (Flammable Liquid)

ERG # ERG127

IMO/IMDG:

UN/Id No.: UN1170

Proper shipping name Ethanol Solution, Limited Quantity

Hazard class: 3

Packing group: PG III

IMDG-labels: UN NUMBER WITHIN A DIAMOND

ADR/RID:

UN/Id No.: UN 1170

Proper shipping name Ethanol Solution , Limited Quantity

Hazard class/packing group: 3 / PG III

ADR/RID-labels: 3

TDG (Canada):

UN-No: UN1170

Proper Shipping Name Ethanol solution

Hazard Class: 3

Packing group: III

15. REGULATORY INFORMATION

Components	CAS Number	Weight %	ACGIH TLV (TWA - 8hr):	ACGIH TLV (STEL)	ACGIH TLV (Ceiling Limits):
Ethyl alcohol	64-17-5	>50	1000 ppm	Not Determined	Not Determined

Components	CAS Number	Weight %	OSHA (TWA - 8hr)	OSHA (STEL)	OSHA (Ceiling Limits)
Ethyl alcohol	64-17-5	>50	1000 ppm	Not Determined	Not Determined

SARA (311, 312) hazard class:

Immediate health: None.

Delayed health: None.

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Fire: None.
Sudden Release of Pressure Hazard: None.
Reactivity: None.

Components	CAS Number	Weight %	New Jersey RTK List:	Pennsylvania RTK List:	Massachusetts RTK List:	Connecticut Hazardous Material List:	Michigan Critical List:
Ethyl alcohol	64-17-5	>50	Substance no.0844 Listed.	Listed	Listed	Listed	Not applicable

TSCA inventory list: Listed under TSCA: Yes

WHMIS:

WHMIS trade secret: None.

WHMIS hazard class: B2 Flammable Liquids

Canada DSL inventory list: Listed on DSL: Yes

Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s): None.

Additional advice: None.

Literary reference: None.

MSDS format: North American Format - U.S. and Canada

This Material Safety Data Sheet was prepared in accordance with OSHA 29 CFR 1910.1200.

Disclaimer:

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End of Safety Data Sheet

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