

Material Safety Data Sheet

ECOLAB

ASEPTI-STERYL DISINFECTANT

Section 1. Chemical product and company identification

Trade name : ASEPTI-STERYL DISINFECTANT
 Product use : disinfectant
 Supplier : Ecolab Inc.
 370 N. Wabasha St.
 St. Paul, MN 55102
 1-800-352-5326

Code : 926303
 Date of issue : 01-August-2007
 EPA Registration No. : 706-69-1677

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EMERGENCY HEALTH INFORMATION: 1-800-328-0026
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
methanol	67-56-1	3
biphenyl -2-ol	90-43-7	0.176
p-tert-pentylphenol	80-46-6	0.045
ethanol	64-17-5	49.95
butane	106-97-8	5 - 20
propane	74-98-6	5 - 20

Section 3. Hazards identification

Physical state : Liquid. [Aerosol.]
 Emergency : CAUTION!
 overview

FLAMMABLE LIQUID AND VAPOR.
 CONTENTS UNDER PRESSURE.
 MAY CAUSE EYE AND SKIN IRRITATION.
 HARMFUL IF ABSORBED THROUGH SKIN.
 MAY BE HARMFUL IF INHALED.

Can cause central nervous system (CNS) depression.
 Intentional misuse by deliberate inhalation may be harmful or fatal.

Avoid contact with eyes, skin and clothing. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes : Moderately irritating to eyes.
 Skin : Moderately irritating to the skin.
 Inhalation : Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
 Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

Section 4. First aid measures

- Eye contact** : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
- Skin contact** : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Inhalation** : If inhaled, remove to fresh air. Get medical attention if irritation persists.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

Section 5. Fire fighting measures

- Fire-fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemical, or CO₂.
Dike liquid for later disposal.
Flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Do not store above the following temperature: 50°C

Section 8. Exposure controls, personal protection

- Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protection:

- Eyes** : Eye protection recommended.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.

Name

Exposure limits

ethanol	ACGIH TLV (United States, 1/2006). TWA: 1880 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s). OSHA PEL (United States, 11/2006). TWA: 1900 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s).
butane	ACGIH TLV (United States, 1/2006). TWA: 1000 ppm 8 hour(s).
propane	ACGIH TLV (United States, 1/2006). TWA: 1000 ppm 8 hour(s). OSHA PEL (United States, 11/2006). TWA: 1800 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s).
methanol	ACGIH TLV (United States, 1/2006). Skin STEL: 328 mg/m ³ 15 minute(s). STEL: 250 ppm 15 minute(s). TWA: 262 mg/m ³ 8 hour(s). TWA: 200 ppm 8 hour(s). OSHA PEL (United States, 11/2006). TWA: 260 mg/m ³ 8 hour(s). TWA: 200 ppm 8 hour(s).

Section 9. Physical and chemical properties

Physical state	: Liquid. [Aerosol.]
Color	: Colorless to light yellow.
Odor	: citrus
pH	: 9.5 to 10.5 [Conc. (% w/w): 100%]
Specific gravity	: 0.873 to 0.883

Section 10. Stability and reactivity

Stability	: The product is stable.
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Section 11. Toxicological information

Potential acute health effects

Eyes	: Moderately irritating to eyes.
Skin	: Moderately irritating to the skin.
Inhalation	: Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion	: No known significant effects or critical hazards.

Potential chronic health effects

Chronic effects on humans	: Contains material which causes damage to the following organs: blood, the nervous system, the reproductive system, liver, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
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Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Waste classification	: Unused product is D001 (Ignitable)

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	-	Consumer commodity	ORM-D	-	Not available.

APPLIES ONLY DURING ROAD TRANSPORT
Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

- HCS Classification : Flammable aerosol
Irritating material
Target organ effects
- U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
- TSCA 8(b) inventory : All materials are listed or exempt.
- SARA 313** : Product name Concentration
- Form R - Reporting requirements : methanol 2.64
- California Prop. 65 : **WARNING:** This product contains a chemical known to the State of California to cause cancer.
- EPA Registration No. : 706-69-1677

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	*	1
	Flammability		3
	Physical hazards		0

- Date of issue : 01-August-2007.
- Responsible name : Regulatory Affairs
- Date of previous issue : 17-November-2005.

Notice to reader
The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**