

# Material Safety Data Sheet

**ECOLAB**

BACTI-STAT

## Section 1. Chemical product and company identification

**Trade name** : BACTI-STAT  
**Product use** : Skin antiseptic  
**Supplier** : Ecolab Healthcare Division  
370 Wabasha Street N  
St. Paul MN 55102  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

**Code** : 920883-01  
**Date of issue** : 11-May-2007

**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>
ethanol	64-17-5	7 - 13
glycerin	56-81-5	5- 10
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	64-02-8	0.5 - 1.5

## Section 3. Hazards identification

**Physical state** : Liquid. [Liquid.]  
**Emergency overview** : CAUTION!  
COMBUSTIBLE LIQUID AND VAPOUR.  
MAY CAUSE EYE IRRITATION.  
Avoid contact with eyes. Keep away from heat, sparks and flame.

**Routes of entry** : Skin contact, Eye contact, Inhalation, Ingestion

**Potential acute health effects**

**Eyes** : Slightly irritating to the eyes.  
**Skin** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**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 occurs.

**Skin Contact** : Get medical attention if symptoms appear. Wash clothing before reuse.

**Inhalation** : If inhaled, remove to fresh air.

**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

**Auto-ignition temperature** : Not available.  
**Flash point** : 43.3333 °C (Closed cup)  
**Flammable limits**

**Upper:** Not available.  
**Lower:** Not available.

**Products of combustion** : Not available.

**Fire-fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemical, or CO<sub>2</sub>.

Dyke liquid for later disposal.  
Combustible liquid and vapour.

**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.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

## Section 6. Accidental release measures

**Personal Precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Do not allow to enter drains or watercourses.

**Environmental precautions** : Avoid dispersal of spilt 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 spilt 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, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

## Section 7. Handling and storage

**Handling** : 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: 30°C

## Section 8. Exposure controls, personal protection

**Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protection :

**Eyes** : No protective equipment is needed under normal use conditions.

**Hands** : No protective equipment is needed under normal use conditions.

**Skin** : No protective equipment is needed under normal use conditions.

**Respiratory** : No protective equipment is needed under normal use conditions.

### Name

ethanol

### Exposure limits

**ACGIH TLV (United States, 1/2005).**

TWA: 1880 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 1000 ppm 8 hour(s). Form: All forms

glycerin

**ACGIH TLV (United States, 1/2005).**

TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Mist

## Section 9. Physical and chemical properties

**Physical state** : Liquid. [Liquid.]

**Colour** : Red.

**Odour** : Fragrance-like.

**pH** : 9.1 to 9.4 [Conc. (% w/w): 100%]

**Boiling/condensation point** : Not available.

**Melting/freezing point** : Not available.

**Specific gravity** : 1.01 to 1.03

**Vapour pressure** : Not available.

**Vapour density** : Not available.

**Odour threshold** : Not available.

Evaporation rate : Not available.

LogK<sub>ow</sub> : Not available.

## Section 10. Stability and reactivity

Stability : The product is stable.

Conditions of instability : Not available.

Reactivity : Not available.

Hazardous Decomposition : Not available.

Products

## Section 11. Toxicological information

### Potential acute health effects

Eyes : Slightly irritating to the eyes.

Skin : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Irritancy of Product : Hazardous by WHMIS criteria.

### Potential chronic health effects

Carcinogenic effects : No known significant effects or critical hazards.

Mutagenic effects : No known significant effects or critical hazards.

Teratogenic effects : No known significant effects or critical hazards.

Reproductive effects : No known significant effects or critical hazards.

Sensitization to Product : No known significant effects or critical hazards.

Synergistic products (toxicologically) : Not available.

### Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Route</u>	<u>Result</u>	<u>Species</u>
ethanol	LD50	Oral	7 g/kg	Rat
	LD50	Oral	7060 mg/kg	Rat
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	LD50	Oral	12 g/kg	Dog
	LD50	Oral	10 g/kg	Rat
	LD50	Oral	7 g/kg	Rabbit
glycerin	LD50	Dermal	>10 g/kg	Rabbit
	LD50	Oral	12600 mg/kg	Rat
	LD50	Oral	4090 mg/kg	Mouse
	LD50	Oral	27 g/kg	Rabbit

Target organs : There is no known chronic effect after exposure to this product.

## Section 12. Ecological information

### Ecotoxicity

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
ethanol	Fish	96 hours	Acute LC50 13000 mg/L
	Fish	96 hours	Acute LC50 >100 mg/L
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	Fish	96 hours	Acute LC50 3092 mg/L
	Fish	96 hours	Acute LC50 2070 mg/L
	Fish	96 hours	Acute LC50 1030 mg/L
glycerin	Fish	96 hours	Acute LC50 486 mg/L
	Fish	96 hours	Acute LC50 54000 mg/L

## Section 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt 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.

Consult your local or regional authorities.

## Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
<b>TDG Classification</b>	Not regulated.	-	-	-	-

### APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

## Section 15. Regulatory information

**WHMIS** : Not a WHMIS controlled material.  
DIN00779237

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

## Section 16. Other information

**Date of issue** : 11-May-2007.  
**Responsible name** : Regulatory Affairs  
**Date of previous issue** : 16-January-2007.

### 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.**