

# Material Safety Data Sheet



BACTI-STAT AE

## Section 1. Chemical product and company identification

**Trade name** : BACTI-STAT AE  
**Product use** : Skin Cleaner  
**Supplier** : Ecolab Healthcare Division  
370 Wabasha Street N  
St. Paul MN 55102  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326  
**Code** : 932236  
**Date of issue** : 05-April-2005

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**  
**Outside United States and Canada CALL 1-651-222-5352**

## Section 2. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
fatty acids, coco, potassium salts	61789-30-8	7 - 13
Ethanol	64-17-5	7 - 13
glycerin	56-81-5	5- 10
octadecanoic acid, potassium salt	593-29-3	0.5 - 1.5
1-propanaminium, 3,3',3"-[phosphinylidynetris(oxy)]tris[n-(3-aminopropyl)]	83682-78-4	0.5 - 1.5
-2-hydroxy-n,n-dimethyl-, n,n',n"-tri-c6-18 acyl derivs. trichlorides		
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	64-02-8	0.5 - 1.5

## Section 3. Hazards identification

**Physical state** : Liquid.

**Emergency overview** : Warning!

CAUSES EYE IRRITATION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.  
COMBUSTIBLE LIQUID AND VAPOUR.  
VAPOUR MAY CAUSE FIRE.

Avoid contact with eyes. Avoid breathing vapour or mist. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation.

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

### Potential acute health effects

**Eyes** : Irritating to eyes.

**Skin** : No known significant effects or critical hazards.

**Inhalation** : Moderately irritating to the respiratory system.

**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 a copious amount of water. Wash clothing before reuse.

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

**Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

## 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> extinguisher or spray.  
Dike area of fire to prevent product run-off.  
Combustible liquid and vapour. May burn, but does not ignite readily. Under high temperatures or under moderate heating might release vapor in sufficient quantities to produce hazardous atmospheres with air.

**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.

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

Risks of explosion of the product in 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. Prevent entry into sewers, water courses, basements or confined areas.

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**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 sealed, 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** : Do not ingest. Avoid contact with eyes. Keep container closed. Use only with adequate ventilation. Avoid breathing vapour or mist. Keep away from heat, sparks and flame. To avoid fire, minimise 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). Store between 20 and 35°C

## Section 8. Exposure Controls, Personal Protection

**Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Eyes** : Use safety eyewear designed to protect against splash of liquids.

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

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

**Respiratory** : Avoid breathing vapour or mist.

**Name**

Ethanol

**Exposure limits**

**ACGIH TLV (United States, 5/2004). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens.**

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, 9/2004). Notes: Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.**

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

## Section 9. Physical and chemical properties

<b>Physical state</b>	: Liquid.
<b>Colour</b>	: Green.
<b>Odour</b>	: Sweetish.
<b>pH</b>	: 9.25 (100%)
<b>Boiling/condensation point</b>	: >100 °C
<b>Melting/freezing point</b>	: Not available.
<b>Specific gravity</b>	: 1.02 (Water = 1)
<b>Vapour pressure</b>	: Not applicable.
<b>Vapour density</b>	: Not available.
<b>Odour threshold</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>LogK<sub>ow</sub></b>	: Not available.

## Section 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Conditions of instability</b>	: Not available.
<b>Incompatibility with various substances</b>	: Not available.
<b>Hazardous Decomposition Products</b>	: Not available.

## Section 11. Toxicological information

### Potential acute health effects

<b>Eyes</b>	: Irritating to eyes.
<b>Skin</b>	: No known significant effects or critical hazards.
<b>Inhalation</b>	: Moderately irritating to the respiratory system.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Irritancy of Product</b>	: Hazardous by WHMIS criteria.

### Potential chronic health effects

<b>Carcinogenic effects</b>	: No known significant effects or critical hazards.
<b>Mutagenic effects</b>	: No known significant effects or critical hazards.
<b>Teratogenic effects</b>	: No known significant effects or critical hazards.
<b>Reproductive effects</b>	: No known significant effects or critical hazards.
<b>Sensitization to Product</b>	: No known significant effects or critical hazards.
<b>Synergistic Products (Toxicologically)</b>	: Not available.

### Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Ethanol	LD50	7060 mg/kg	Oral	Rat
	LD50	6300 mg/kg	Oral	Rabbit
	LD50	3450 mg/kg	Oral	Mouse
	LDLo	1400 mg/kg	Oral	human
	LDLo	5500 mg/kg	Oral	Dog

**Target organs** : Contains material which causes damage to the following organs: blood, kidneys, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

## Section 12. Ecological information

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Ethanol	Daphnia magna (EC50)	48 hour(s)	2 mg/l
	Daphnia magna (EC50)	48 hour(s)	9.3 mg/l
	Daphnia magna (EC50)	48 hour(s)	>100 mg/l
	Pimephales promelas (LC50)	96 hour(s)	>100 mg/l
	Daphnia magna (LC50)	96 hour(s)	>100 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	13000 mg/l
acetic acid, (ethylenedinitrilo) tetra-, tetrasodium salt	Lepomis macrochirus (LC50)	96 hour(s)	486 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1030 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	2070 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	3092 mg/l

**Products of degradation** : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>...). Some metallic oxides.

## Section 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimised 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.

**Consult your local or regional authorities.**

## Section 14. Transport information

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Additional Information</u>
<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.  
DIN02238676

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 : 05-April-2005.

Responsible : Regulatory Affairs  
name

Date of previous : No Previous Validation.  
issue

### 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.**