Material Safety Data Sheet

BACTI-FOAM

Section 1. Chemical product and company identification

Trade name : BACTI-FOAM
Product use : Skin antiseptic
Supplier : Ecolab Healthcare Division
370 Wabasha Street N
St. Paul MN 55102
5105 Tomken Road
Mississauga ON L4W 2X5
1-866-781-8787
Code : 933044
Date of issue **20-October-2009**

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

Section 2. Hazards identification

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

COMBUSTIBLE LIQUID AND VAPOUR.
May cause mild 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 : May cause mild eye irritation.
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 3. Composition/information on ingredients

Name	CAS number	% by weight
ALCOHOL	64-17-5	7 - 13
GLYCERIN	56-81-5	5- 10
POTASSIUM STEARATE	593-29-3	0.5 - 1.5
TETRASODIUM EDTA	64-02-8	0.5 - 1.5

Section 4. First-aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
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 : Not available.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Fire-fighting media and instructions : Use dry chemical, CO_2, water spray (fog) or foam.

Use water spray to keep fire-exposed containers cool. Dyke area of fire to prevent runoff.

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

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 : No special measures required.

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

Methods for cleaning up : For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container.

Section 7. Handling and storage

Handling : Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources.

Storage : Keep out of 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 : No special ventilation requirements.

Personal protection :

Eyes : No special protection is required.

Hands : No special protection is required.

Skin : No special protection is required.

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

Name	Exposure limits
ALCOHOL	**CA Alberta Provincial (Canada, 6/2008).** 8 hrs OEL: 1880 mg/m³ 8 hour(s). 8 hrs OEL: 1000 ppm 8 hour(s). **CA British Columbia Provincial (Canada, 6/2008).** TWA: 1000 ppm 8 hour(s). **CA Ontario Provincial (Canada, 6/2008).** TWAEV: 1900 mg/m³ 8 hour(s). TWAEV: 1000 ppm 8 hour(s). **CA Quebec Provincial (Canada, 6/2008).** TWAEV: 1880 mg/m³ 8 hour(s). TWAEV: 1000 ppm 8 hour(s).

	ACGIH TLV (United States, 1/2009). STEL: 1000 ppm 15 minute(s).
GLYCERIN	**CA Alberta Provincial (Canada, 6/2008).** 8 hrs OEL: 10 mg/m³ 8 hour(s). Form: Mist **CA British Columbia Provincial (Canada, 6/2008).** TWA: 10 mg/m³ 8 hour(s). Form: Mist TWA: 3 mg/m³ 8 hour(s). Form: Respirable mist **CA Ontario Provincial (Canada, 6/2008).** TWAEV: 10 mg/m³ 8 hour(s). Form: mist **CA Quebec Provincial (Canada, 6/2008).** TWAEV: 10 mg/m³ 8 hour(s). Form: mist **ACGIH TLV (United States, 1/2009).** TWA: 10 mg/m³ 8 hour(s). Form: Mist
POTASSIUM STEARATE	**CA Ontario Provincial (Canada, 6/2008).** TWAEV: 10 mg/m³ 8 hour(s). Form: total dust **CA Alberta Provincial (Canada, 6/2008).** 8 hrs OEL: 10 mg/m³ 8 hour(s). **CA British Columbia Provincial (Canada, 6/2008).** TWA: 10 mg/m³ 8 hour(s). **ACGIH TLV (United States, 1/2009).** TWA: 10 mg/m³ 8 hour(s). Form: Total particulate mass

Section 9. Physical and chemical properties

Physical state	:	Liquid. [Liquid.]
Colour	:	Green.
Odour	:	Sweetish.
pH	:	9.2 to 9.6 [Conc. (% w/w): 100%]
Boiling/condensation point	:	Not available.
Melting/freezing point	:	Not available.
Relative density	:	1 to 1.02
Vapour pressure	:	Not available.
Vapour density	:	Not available.
Odour threshold	:	Not available.
Evaporation rate	:	Not available.
LogK_{ow}	:	Not available.

Section 10. Stability and reactivity

Stability	:	The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions of instability	:	Not available.
Reactivity	:	Not available.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerisation	:	Under normal conditions of storage and use, hazardous polymerisation will not occur.

Section 11. Toxicological information

Potential acute health effects

Eyes : May cause mild eye irritation.
Skin : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

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

Ingredient name	Test	Route	Result	Species
ethanol	LD50	Oral	3450 mg/kg	Mouse
	LD50	Oral	5560 mg/kg	Guinea pig
	LD50	Oral	6300 mg/kg	Rabbit
	LD50	Oral	7 g/kg	Rat
	LDLo	Dermal	20 g/kg	Rabbit
	LDLo	Oral	6 g/kg	Cat
	LDLo	Oral	1400 mg/kg	Human
	LDLo	Oral	5500 mg/kg	Dog
	LC50	Inhalation	20000 ppm	Rat
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	LD50	Oral	10 g/kg	Rat
	LD50	Oral	7 g/kg	Rabbit
glycerin	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

Ingredient name	Species	Period	Result
ethanol	Fish	96 hours	Acute LC50 13000 mg/L
	Fish	96 hours	Acute LC50 >100 mg/L
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	Fish - Bluegill	96 hours	Acute LC50 3092000 to 3540000 ug/L Fresh water
	Fish - Bluegill	96 hours	Acute LC50 2070000 to 2180000 ug/L Fresh water
	Fish - Bluegill	96 hours	Acute LC50 1030000 to 1080000 ug/L Fresh water
	Fish - Bluegill	96 hours	Acute LC50 486000 to 500000 ug/L Fresh water
	Fish - Bluegill	96 hours	Chronic NOEC 1800000 ug/L Fresh water
	Fish - Bluegill	96 hours	Chronic NOEC 870000

			ug/L Fresh water
	Fish - Bluegill	96 hours	Chronic NOEC 456000 ug/L Fresh water
	Fish - Bluegill	96 hours	Chronic NOEC 157000 to 169000 ug/L Fresh water
	Fish - Bluegill	96 hours	Chronic NOEC 115000 ug/L Fresh water
glycerin	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

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN Classification Not regulated.

See shipping documents for specific transportation information.

Section 15. Regulatory information

WHMIS : Not a WHMIS controlled material.
DIN02237409

Canada inventory : All components are listed or exempted.

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

Hazardous Material Information System (U.S.A.) :

Health	1
Flammability	2
Physical hazards	0

Date of issue : **20-October-2009.**

Responsible name : **Regulatory Affairs**
1-800-352-5326

Date of previous issue : **26-April-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.