

# Material Safety Data Sheet



DIGICLEAN ANTI-BACTERIAL FOAM HAND SOAP

## Section 1. Chemical product and company identification

**Trade name** : DIGICLEAN ANTI-BACTERIAL FOAM HAND SOAP

**Product use** : Skin antiseptic

**Supplier** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code** : 901410

**Date of issue** : 11-March-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>
Ethanol	64-17-5	1 - 5
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt	9004-82-4	1 - 5
2-Methylpentane-2,4-diol	107-41-5	1 - 5
1-propanaminium, 3,3',3"-[phosphinylidynetris(oxy)]tris[n-(3-aminopropyl)-2-hydroxy-n,n-dimethyl-, n,n',n"-tri-c6-18 acyl derivs. trichlorides	83682-78-4	1 - 5

## Section 3. Hazards identification

**Physical state** : Liquid. (Liquid.)

**Emergency overview** : CAUTION

COMBUSTIBLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FLASH FIRE.  
MAY CAUSE EYE IRRITATION.

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

### Potential acute health effects

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

<b>Flash point</b>	: 46.1111 °C (Closed cup)
<b>Fire fighting media and instructions</b>	: In case of fire, use water spray (fog), foam, dry chemicals, or CO <sub>2</sub> .  Dike area of fire to prevent product run-off. Combustible liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
<b>Special protective equipment for fire-fighters</b>	: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

## Section 6. Accidental release measures

<b>Personal precautions</b>	: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
<b>Environmental precautions</b>	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up</b>	: 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

<b>Handling</b>	: Avoid contact with eyes. Keep away from heat, sparks and flame. To avoid fire, minimize ignition sources. Wash thoroughly after handling.
<b>Storage</b>	: 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 50°C

## Section 8. Exposure Controls, Personal Protection

<b>Engineering controls</b>	: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
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### Personal protection

<b>Eyes</b>	: Eye protection recommended.
<b>Hands</b>	: No protective equipment is needed under normal use conditions.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: No protective equipment is needed under normal use conditions.

### 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

**OSHA PEL (United States, 6/1993).**

TWA: 1900 mg/m<sup>3</sup> 8 hour(s). Form: All forms

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

2-Methylpentane-2,4-diol

**ACGIH TLV (United States, 9/2004).**

CEIL: 121 mg/m<sup>3</sup> Form: All forms

CEIL: 25 ppm Form: All forms

## Section 9. Physical and chemical properties

Physical state : Liquid. (Liquid.)  
 Color : Blue.  
 Odor : citrus  
 pH : 8.6 (100%)  
 Specific gravity : 1.01 (Water = 1)

## Section 10. Stability and reactivity

Stability : The product is stable.

## Section 11. Toxicological information

### Potential acute health effects

Eyes : Moderately irritating to the eyes.  
 Skin : No known significant effects or critical hazards.  
 Inhalation : Slightly irritating to the respiratory system.  
 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 reproductive system, liver, mucous membranes, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

## Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>...), sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...). Some metallic oxides.

## 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	Not regulated.	-	-	-	-

**APPLIES ONLY DURING ROAD TRANSPORT**

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

## Section 15. Regulatory information

**HCS Classification** : Combustible liquid  
Irritating material  
Target organ effects

**U.S. Federal regulations** : SARA 302/304/311/312 extremely hazardous substances: None.  
SARA 302/304 emergency planning and notification: None.

**TSCA 8(b) inventory** : All materials are listed or exempt.

**California prop. 65** : No products were found.

## Section 16. Other information

Hazardous Material Information System (U.S.A.)	Health	*	1
	Fire hazard		2
	Reactivity		0
	Personal protection		X

**Date of issue** : 11-March-2005.

**Responsible name** : Regulatory Affairs

**Date of previous issue** : No Previous Validation.

### 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.