

# Material Safety Data Sheet



PREVAIL

## Section 1. Chemical product and company identification

Trade name : PREVAIL  
Product use : disinfectant  
Supplier : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326  
Code : 975524-04  
Date of issue : 05-January-2006  
EPA Registration No. : 42964-17-1677

**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

Name	CAS number	% by weight
Ethanol	64-17-5	62.74
Propane	74-98-6	5 - 20
isobutane	75-28-5	5 - 20
quaternary ammonium compounds, benzyl-c12-18-alkyldimethyl, chlorides	68391-01-5	0.15
quaternary ammonium compounds, c12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	85409-23-0	0.15

## Section 3. Hazards identification

Physical state : Liquid. (Aerosol.)  
Emergency overview : WARNING!

CAUSES EYE AND SKIN IRRITATION.

HARMFUL IF SWALLOWED.

CONTENTS UNDER PRESSURE.

Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight.

Can cause central nervous system depression.

FLAMMABLE LIQUID AND VAPOR.

VAPOR MAY CAUSE FLASH FIRE.

Do not ingest. Avoid contact with skin and clothing. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

Eyes : Irritating to eyes.

Skin : Irritating to skin.

Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

Ingestion : Harmful if swallowed.

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 : Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse.

Inhalation : If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire fighting measures

<b>Flash point</b>	: 27.2222 °C (Closed cup)
<b>Fire-fighting media and instructions</b>	: In case of fire, use water spray (fog), foam, dry chemical or CO <sub>2</sub> . Cool closed containers exposed to fire with water. CONTENTS UNDER PRESSURE. Flammable aerosol. Bursting aerosol containers may be propelled from a fire at high speed. 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.
<b>Special protective equipment for fire-fighters</b>	: 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

<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 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

<b>Handling</b>	: Do not ingest. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. To avoid fire, eliminate 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.
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### Personal protection

<b>Eyes</b>	: Use safety eyewear designed to protect against splash of liquids.
<b>Hands</b>	: For prolonged or repeated handling, use Impervious gloves.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: Avoid breathing vapor or mist.

Name  
ethanol

### Exposure limits

#### **ACGIH TLV (United States, 1/2004).**

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, 8/1997).**

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

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

propane

#### **ACGIH TLV (United States, 1/2004).**

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

#### **OSHA PEL (United States, 8/1997).**

TWA: 1800 mg/m<sup>3</sup> 8 hour(s). Form: All forms

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

isobutane

#### **ACGIH TLV (United States, 1/2004).**

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

## Section 9. Physical and chemical properties

Physical state : Liquid. (Aerosol.)  
Color : Colorless to light yellow.  
Odor : Floral.  
pH : 10.5 (100%)  
Specific gravity : 0.845 (Water = 1)

## Section 10. Stability and reactivity

Stability : The product is stable.  
Reactivity : Slightly reactive to reactive with acids.

## Section 11. Toxicological information

### Potential acute health effects

Eyes : Irritating to eyes.  
Skin : Irritating to skin.  
Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.  
Ingestion : Harmful if swallowed.

### 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, 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.

## 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	-	-

**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 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.

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## Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health *	2
	Fire hazard	3
	Reactivity	0
	Personal protection	B

Date of issue : 05-January-2006.

Responsible name : Regulatory Affairs

Date of previous issue : 18-March-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.