

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ASEPTICARE TB+II

Other means of identification : Not applicable

Recommended use : Cleaner and disinfectant

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.  
1 Ecolab Place  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

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**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**



Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Acute toxicity (Dermal) : Category 4

Eye irritation : Category 2B

**GHS label elements**

Hazard pictograms :  : 

Signal Word : Caution

Hazard Statements : Flammable liquid and vapor.  
Harmful in contact with skin or if inhaled.  
Causes eye irritation.

Precautionary Statements : **Prevention:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area.  
**Response:** IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor if you feel unwell. If eye irritation persists: Get medical advice/ attention. Wash contaminated clothing before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**  
Store in a well-ventilated place. Keep cool.

**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
Isopropyl Alcohol	67-63-0	10 - 30
2-butoxyethanol	111-76-2	5 - 10
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides	68391-01-5	0.154
n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	8001-54-5	0.154

**SECTION 4. FIRST AID MEASURES**

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops and persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : Fire Hazard  
Keep away from heat and sources of ignition.  
Flash back possible over considerable distance.  
Beware of vapors accumulating to form explosive concentrations.  
Vapors can accumulate in low areas.

Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides

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Oxides of phosphorus

- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wash hands thoroughly after handling. Open drum carefully as content may be under pressure.
- Conditions for safe storage : Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 0 °C to 40 °C

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
Isopropanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm	NIOSH REL
		STEL	980 mg/m <sup>3</sup>	NIOSH REL
2-butoxyethanol	111-76-2	TWA	500 ppm	OSHA Z1
		TWA	1,225 mg/m <sup>3</sup>	OSHA Z1
		TWA	400 ppm	ACGIH
		TWA	980 mg/m <sup>3</sup>	NIOSH REL
		TWA	20 ppm	OSHA Z1
		TWA	5 ppm	ACGIH
		TWA	24 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm	OSHA Z1

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240 mg/m<sup>3</sup>

- Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Color : clear, colorless
- Odor : alcohol-like
- pH : 7.0, (100 %)
- Flash point : 30 °C closed cup
- Odor Threshold : No data available
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : > 35 °C
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapor pressure : No data available
- Relative vapor density : No data available
- Relative density : 0.96
- Water solubility : No data available
- Solubility in other solvents : No data available
- Partition coefficient: n-octanol/water : No data available
- Autoignition temperature : No data available
- Thermal decomposition : No data available
- Viscosity, kinematic : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Molecular weight : No data available
- VOC : No data available

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#### SECTION 10. STABILITY AND REACTIVITY

- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
- Conditions to avoid : Heat, flames and sparks.
- Incompatible materials : None known.
- Hazardous decomposition products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Potential Health Effects

- Eyes : Causes eye irritation.
- Skin : Harmful in contact with skin.
- Ingestion : Health injuries are not known or expected under normal use.
- Inhalation : Harmful if inhaled.
- Chronic Exposure : Health injuries are not known or expected under normal use.

#### Experience with human exposure

- Eye contact : Redness, Irritation
- Skin contact : No information available.
- Ingestion : No symptoms known or expected.
- Inhalation : No information available.

#### Toxicity

- Product**
- Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
- Acute inhalation toxicity : No data available
- Acute dermal toxicity : No data available
- Skin corrosion/irritation : No data available

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- Serious eye damage/eye irritation : Mild eye irritation
- Respiratory or skin sensitization : No data available
- Carcinogenicity IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### Reproductive effects

: No data available

#### Germ cell mutagenicity

: No data available

#### Teratogenicity

: No data available

#### STOT-single exposure

: No data available

#### STOT-repeated exposure

: No data available

#### Aspiration toxicity

: No data available

#### Ingredients

- Acute inhalation toxicity : Isopropyl Alcohol  
4 h LC50 Rat: > 30 mg/l  
Test atmosphere: vapor
- n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides  
LC50 Rat: > 0.054 mg/l  
Test atmosphere: dust/mist

- n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride  
4 h LC50 Rat: > 0.054 mg/l  
Test atmosphere: dust/mist

#### Ingredients

- Acute dermal toxicity : Isopropyl Alcohol  
LD50 Rabbit: 12,870 mg/kg
- n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides  
LD50 Rabbit: 2,300 mg/kg
- n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride  
LD50 Rat: 1,501 mg/kg

#### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

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Environmental Effects : This product has no known ecotoxicological effects.

**Product**

Toxicity to fish : No data available  
 Toxicity to daphnia and other aquatic invertebrates : No data available  
 Toxicity to algae : No data available

**Ingredients**

Toxicity to fish : Isopropyl Alcohol  
 96 h LC50 Pimephales promelas: 9,640 mg/l  
 2-butoxyethanol  
 96 h LC50: 1,474 mg/l

**Ingredients**

Toxicity to daphnia and other aquatic invertebrates : Isopropyl Alcohol  
 LC50 Daphnia magna (Water flea): > 10,000 mg/l  
 2-butoxyethanol  
 48 h EC50: 690 mg/l  
 n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides  
 48 h EC50: 0.47 mg/l

**Ingredients**

Toxicity to algae : 2-butoxyethanol  
 72 h EC50: 911 mg/l  
 n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides  
 NOEC: 0.009 mg/l

**Persistence and degradability**

Not applicable - Biocide

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

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an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D001 (Ignitable)

**SECTION 14. TRANSPORT INFORMATION**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land transport (DOT)**

UN number : 1987  
 Description of the goods : Alcohols, n.o.s. (Isopropanol)  
 Class : 3  
 Packing group : III  
 Environmentally hazardous : no

**Sea transport (IMDG/IMO)**

UN number : 1987  
 Description of the goods : ALCOHOLS, N.O.S. (Isopropanol)  
 Class : 3  
 Packing group : III  
 Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION**

EPA Registration number : 1130-15-1677

EPORA - Emergency Planning and Community Right-to-Know

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard  
 Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

2-butoxyethanol 111-76-2 5 %

**California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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The ingredients of this product are reported in the following inventories:

- 1907/2006 (EU) : not determined
- Switzerland, New notified substances and declared preparations : not determined

United States TSCA Inventory : On TSCA inventory

Canadian Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS) : On the inventory, or in compliance with the inventory

New Zealand, Inventory of Chemical Substances : On the inventory, or in compliance with the inventory

Japan, ENCS - Existing and New Chemical Substances Inventory : not determined

Japan, ISHL - Inventory of Chemical Substances (METI) : not determined

Korea, Korean Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

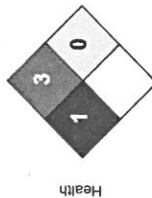
Philippines Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China, Inventory of Existing Chemical Substances in China (IECSC) : On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION**

NFPA:

Flammability



Special hazard.

HIMIS III:

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, \* = Chronic

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