

Material Safety Data Sheet



ASEPTICARE TB+II

Section 1. Chemical product and company identification

Trade name : ASEPTICARE TB+II
Product use : disinfectant
Supplier : Ecolab Healthcare Division
370 Wabasha Street N
St. Paul MN 55102
5105 Tomken Road
Mississauga ON L4W 2X5
1-800-352-5326

Code : 910609
Date of issue : 02-January-2009

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

| <u>Name</u> | <u>CAS number</u> | <u>% by weight</u> |
|-----------------|-------------------|--------------------|
| propan-2-ol | 67-63-0 | 10 - 30 |
| 2-butoxyethanol | 111-76-2 | 3 - 7 |

Section 3. Hazards identification

Physical state : Liquid. [Liquid.]

Emergency overview : WARNING!

FLAMMABLE LIQUID AND VAPOUR.

MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Avoid breathing vapours, spray or mists. Keep away from heat, sparks and flame. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

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

Potential acute health effects

Eyes : Moderately irritating to eyes.

Skin : Moderately irritating to the skin.

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 plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.

Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly 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 | : 30 °C (Closed cup) |
| Flammable limits | : Not available. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| 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. Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. |
| 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 | : Immediately contact emergency personnel. Eliminate all ignition sources. Use suitable protective equipment. Keep unnecessary personnel away. Do not touch or walk through spilt material. |
| Environmental precautions | : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Methods for cleaning up | : If emergency personnel are unavailable, contain spilt 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, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal. |

Section 7. Handling and storage

| | |
|-----------------|--|
| Handling | : Avoid contact with eyes, skin and clothing. Avoid breathing vapours, spray or mists. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. |
| 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 | : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. |
|-----------------------------|---|

Personal protection :

| | |
|--------------------|--|
| Eyes | : Eye protection recommended. |
| Hands | : Use chemical-resistant, impervious gloves. |
| Skin | : No protective equipment is needed under normal use conditions. |
| Respiratory | : Avoid breathing vapours, spray or mists. |

Name

Exposure limits

propan-2-ol

CA Alberta Provincial (Canada, 6/2008).15 min OEL: 1230 mg/m³ 15 minute(s).

15 min OEL: 500 ppm 15 minute(s).

8 hrs OEL: 983 mg/m³ 8 hour(s).

8 hrs OEL: 400 ppm 8 hour(s).

CA British Columbia Provincial (Canada, 6/2008).

STEL: 400 ppm 15 minute(s).

TWA: 200 ppm 8 hour(s).

CA Ontario Provincial (Canada, 6/2008).

STEV: 400 ppm 15 minute(s).

TWAEV: 200 ppm 8 hour(s).

CA Quebec Provincial (Canada, 6/2008).STEV: 1230 mg/m³ 15 minute(s).

STEV: 500 ppm 15 minute(s).

TWAEV: 983 mg/m³ 8 hour(s).

TWAEV: 400 ppm 8 hour(s).

ACGIH TLV (United States, 1/2008).

STEL: 400 ppm 15 minute(s).

TWA: 200 ppm 8 hour(s).

2-butoxyethanol

CA Alberta Provincial (Canada, 6/2008). Absorbed through skin.8 hrs OEL: 97 mg/m³ 8 hour(s).

8 hrs OEL: 20 ppm 8 hour(s).

CA British Columbia Provincial (Canada, 6/2008).

TWA: 20 ppm 8 hour(s).

CA Ontario Provincial (Canada, 6/2008). Absorbed through skin.

TWAEV: 20 ppm 8 hour(s).

CA Quebec Provincial (Canada, 6/2008).TWAEV: 97 mg/m³ 8 hour(s).

TWAEV: 20 ppm 8 hour(s).

ACGIH TLV (United States, 1/2008).

TWA: 20 ppm 8 hour(s).

Section 9. Physical and chemical properties

| | |
|----------------------------|-----------------------------|
| Physical state | : Liquid. [Liquid.] |
| Colour | : Clear. |
| Odour | : Alcohol-like. |
| pH | : 7.6 [Conc. (% w/w): 100%] |
| Boiling/condensation point | : Not available. |
| Melting/freezing point | : Not available. |
| Relative density | : 0.96 |
| 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** : Moderately irritating to eyes.
Skin : Moderately irritating to the skin.
Inhalation : Moderately irritating to the respiratory system.
Ingestion : No known significant effects or critical hazards.

Potential chronic health effects

- Carcinogenic effects** : No known significant effects or critical hazards.

| <u>Ingredient name</u> | <u>ACGIH</u> | <u>IARC</u> | <u>NTP</u> | <u>OSHA</u> |
|------------------------|--------------|-------------|------------|-------------|
| Not applicable. | | | | |

- 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

| <u>Ingredient name</u> | <u>Test</u> | <u>Route</u> | <u>Result</u> | <u>Species</u> |
|------------------------|-------------|--------------|------------------------|----------------|
| propan-2-ol | LD50 | Oral | 5000 mg/kg | Rat |
| | LC50 | Inhalation | 16000 ppm | Rat |
| 2-butoxyethanol | LD50 | Dermal | 230 uL/kg | Guinea pig |
| | LD50 | Oral | 320 mg/kg | Rabbit |
| | LD50 | Oral | 250 mg/kg | Rat |
| | LC50 | Inhalation | 2900 mg/m ³ | Rat |
| | LC50 | Inhalation | 450 ppm | Rat |

- Target organs** : Contains material which may cause damage to the following organs: blood, kidneys, liver, lymphatic system, upper respiratory tract, central nervous system (CNS).

Section 12. Ecological information

Ecotoxicity

| <u>Ingredient name</u> | <u>Species</u> | <u>Period</u> | <u>Result</u> |
|------------------------|----------------|---------------|-----------------------|
| propan-2-ol | Fish | 48 hours | Acute EC50 10000 mg/L |
| | Fish | 96 hours | Acute LC50 10400 mg/L |
| | Fish | 96 hours | Acute LC50 11130 mg/L |
| | Fish | 96 hours | Acute LC50 9640 mg/L |
| | Fish | 96 hours | Acute LC50 6550 mg/L |
| | Fish | 96 hours | Acute LC50 >1400 mg/L |
| 2-butoxyethanol | Fish | 96 hours | Acute LC50 1490 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

| | |
|----------------------|---------------------------------|
| UN number | UN1987 |
| Proper shipping name | ALCOHOLS, N.O.S., (ISOPROPANOL) |
| Class | 3 |
| Packing group | III |

See shipping documents for specific transportation information.

Section 15. Regulatory information

WHMIS : Not a WHMIS controlled material.
DIN 02243708

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 : 02-January-2009.
Responsible name : Regulatory Affairs
1-800-352-5326
Date of previous issue : 09-January-2006.

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.