

Material Safety Data Sheet



23 TB DISINFECTANT & DEODORIZER

Section 1. Chemical product and company identification

Trade name : 23 TB DISINFECTANT & DEODORIZER
Product use : disinfectant
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 920958-08
Date of issue : **27-August-2008**
EPA Registration No. : 303-223-1677

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

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
sodium 2-biphenylate	132-27-4	4
ethanediol	107-21-1	3
phenol, 4-chloro-2-(phenylmethyl)-, sodium salt	3184-65-4	5 - 20
sulfuric acid, mono-c10-16-alkyl esters, sodium salts	68585-47-7	1 - 5
propan-2-ol	67-63-0	1 - 5
p-tert-pentylphenol	80-46-6	1 - 5

Section 3. Hazards identification

Physical state : Liquid. [Liquid.]
Emergency overview : DANGER !
CAUSES EYE BURNS.
CAUSES RESPIRATORY TRACT AND SKIN IRRITATION.
Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

Potential acute health effects

Eyes : Corrosive to eyes.
Skin : Severely irritating to the skin.
Inhalation : Irritating to 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 immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention if irritation persists.

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

- Flash point** : > 100°C
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
metal oxide/oxides
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst.
- 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.

Section 6. Accidental release measures

- Personal precautions** : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
- Environmental precautions** : Avoid dispersal of spilled 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** : 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 for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.
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, vapor 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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal protection :

- Eyes** : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : Avoid breathing vapors, spray or mists.

Name

ethanediol

Exposure limits

ACGIH TLV (United States, 1/2008).C: 100 mg/m³ Form: Aerosol

propan-2-ol

ACGIH TLV (United States, 1/2008).

STEL: 400 ppm 15 minute(s).

TWA: 200 ppm 8 hour(s).

OSHA PEL (United States, 11/2006).TWA: 980 mg/m³ 8 hour(s).

TWA: 400 ppm 8 hour(s).

Section 9. Physical and chemical properties

Physical state	: Liquid. [Liquid.]
Color	: Brownish-red.
Odor	: Phenolic.
pH	: 12.5 [Conc. (% w/w): 100%]
Boiling/condensation point	: >100°C (>212°F)
Relative density	: 1.05

Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Slightly reactive or incompatible with the following materials: acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Corrosive to eyes.
Skin	: Severely irritating to the skin.
Inhalation	: Irritating to respiratory system.
Ingestion	: No known significant effects or critical hazards.

Potential chronic health effects

Target organs	: Contains material which causes damage to the following organs: kidneys. Contains material which may cause damage to the following organs: the reproductive system, upper respiratory tract, central nervous system (CNS).
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Carcinogenic effects

<u>Ingredient name</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
sodium 2-biphenylate	2B	-	-

Reproductive effects	: Contains material which may cause reproductive effects based on animal data.
Developmental effects	: Contains material which can cause developmental abnormalities.

Section 12. Ecological information

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 D002 (Corrosive)
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	UN1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (p-tert-pentylphenol)
Class	8
Packing group	III

See shipping documents for specific transportation information.

Section 15. Regulatory information

HCS Classification	: Corrosive material Target organ effects		
U.S. Federal regulations	: SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. TSCA 8(b) inventory : All components are listed or exempted.		
SARA 313	Product name	CAS number	Concentration
Form R - Reporting requirements	sodium 2-biphenylate ethanediol	132-27-4 107-21-1	4.03 3.4
California Prop. 65	: This product is not for sale or use in the state of California.		
EPA Registration No.	: 303-223-1677		

Section 16. Other information

Hazardous Material Information System (U.S.A.)	Health	*	3
	Flammability		0
	Physical hazards		0

Date of issue	: 27-August-2008.
Responsible name	: Regulatory Affairs
Date of previous issue	: 20-September-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.