

Material Safety Data Sheet



FILTRAPURE MEMBRANE PRESERVATIVE

Section 1. Chemical product and company identification

Trade name : FILTRAPURE MEMBRANE PRESERVATIVE
Product use : Cleaning product
Supplier : Ecolab Inc. Water Care Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-75-WATER
Code : 905206
Date of issue : 05-April-2006

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 dodecylbenzene sulfonate	25155-30-0	4
sodium chloride	7647-14-5	20 - 50
sodium metabisulphite	7681-57-4	20 - 50
citric acid	77-92-9	5 - 20
acetic acid, sodium salt	127-09-3	1 - 5

Section 3. Hazards identification

Physical state : Solid. (Powder.)
Emergency overview : WARNING!

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
Avoid contact with eyes, skin and clothing. Avoid breathing dust. 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 : Irritating to respiratory system. Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
Ingestion : Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
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.
Skin contact : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. 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. If breathing is difficult, give oxygen. Get medical attention.
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
- Products of combustion** : These products are halogenated compounds, hydrogen chloride.
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
- Dike liquid for later disposal.
No specific 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.

Section 6. Accidental release measures

- Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. 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.
- Methods for cleaning up** : If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.
Do not store above 35°C

Section 8. Exposure controls, personal protection

- Engineering controls** : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protection

- Eyes** : Wear eye protection.
- Hands** : For prolonged or repeated handling, use the following type of gloves: Impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : Avoid breathing dust.

Name

sodium metabisulphite

Exposure limits

ACGIH TLV (United States, 1/2005).TWA: 5 mg/m³ 8 hour(s). Form: All forms**NIOSH REL (United States, 12/2001).**TWA: 5 mg/m³ 10 hour(s). Form: All forms

Section 9. Physical and chemical properties

- Physical state** : Solid. (Powder.)
- Color** : Off-white.
- Odor** : Pungent.
- pH** : 3.35 (1%)
- Dispersibility properties** : Dispersible in cold water, hot water.
- Solubility** : Soluble in cold water, hot water.

Section 10. Stability and reactivity

- Stability** : The product is stable.
- Reactivity** : Reactive with acids.
Slightly reactive to reactive with moisture.
- Hazardous decomposition products** : These products are halogenated compounds, hydrogen chloride.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Irritating to eyes.
- Skin** : Irritating to skin.
- Inhalation** : Irritating to respiratory system. Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
- Ingestion** : Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.

Potential chronic health effects

- Chronic effects on humans** : Contains material which causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eye, lens or cornea, stomach.

Section 12. Ecological information

- Products of degradation** : These products are carbon oxides (CO, CO₂) and water, sulfur oxides (SO₂, SO₃ etc.), halogenated compounds. 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.

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** : Irritating 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 materials are listed or exempt.
- California Prop. 65** : No products were found.

Section 16. Other information

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

Date of issue : 05-April-2006.
 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.