

Material Safety Data Sheet



VALIANT BARRIER

Section 1. Chemical product and company identification

Trade name : VALIANT BARRIER
Product use : Teat dip
Supplier : Ecolab Inc Food & Beverage Division
370 N Wabasha Street
St Paul, MN 55102
1-800-392-3392
Code : 903380
Date of issue : 01-September-2005

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
dodecylbenzenesulfonic acid	27176-87-0	2
lactic acid	50-21-5	1 - 5
urea	57-13-6	1 - 5

Section 3. Hazards identification

Physical state : Liquid (Liquid.)

Emergency overview : CAUTION!

MAY CAUSE EYE IRRITATION
Repeated or prolonged contact with irritants may cause dermatitis.
Avoid contact with eyes Wash thoroughly after handling

Potential acute health effects

Eyes : Moderately irritating to the eyes

Skin : Slightly irritating to the skin

Inhalation : No known significant effects or critical hazards

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 if irritation persists.

Skin contact : Wash with soap and water. Get medical attention if irritation develops. Wash clothing before reuse.

Inhalation : If inhaled, remove to fresh air.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Section 5. Fire fighting measures

Flash point : > 100°C

Product does not support combustion

Fire fighting media and instructions : Use an extinguishing agent suitable for surrounding fires.

Dike area of fire to prevent product run-off.
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 facepiece 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 Prevent entry into sewers, water courses, basements or confined areas
- 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, contain spilled material For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof 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

- Handling** : Avoid contact with eyes Wash thoroughly after handling
- Storage** : Keep out of the reach of children Keep container tightly closed Keep container in a cool, well-ventilated area
Store between -30 and 50°C

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Good general ventilation should be sufficient to control airborne levels

Personal protection

- Eyes** : Eye protection recommended
- Hands** : No protective equipment is needed under normal use conditions
- Skin** : No protective equipment is needed under normal use conditions
- Respiratory** : No protective equipment is needed under normal use conditions

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

- Physical state** : Liquid (Liquid)
- Color** : Green. (Dark)
- Odor** : Faint Odor
- pH** : 2.6 (100%)
- Boiling/condensation point** : 100 °C
- Specific gravity** : 1.028 (Water = 1)
- Viscosity** : Dynamic: 1100 cP
- Dispersion properties** : Easily dispersed in cold water, hot water
- Solubility** : Easily soluble in cold water, hot water

Section 10. Stability and reactivity

- Stability** : The product is stable
- Reactivity** : Slightly reactive to reactive with alkalis

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Moderately irritating to the eyes.
- Skin** : Slightly irritating to the skin
- Inhalation** : No known significant effects or critical hazards
- Ingestion** : No known significant effects or critical hazards
- Chronic effects on humans** : Contains material which causes damage to the following organs: skin, eye, lens or cornea, stomach

Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂), sulfur oxides (SO₂, SO₃).

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: 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.

Section 16. Other information

Hazardous Material Information System (U.S.A.)	:	<table border="1"> <tr> <td>Health</td> <td>*</td> <td>1</td> </tr> <tr> <td>Fire hazard</td> <td></td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td></td> <td>0</td> </tr> <tr> <td>Personal protection</td> <td></td> <td>A</td> </tr> </table>	Health	*	1	Fire hazard		0	Reactivity		0	Personal protection		A
Health	*	1												
Fire hazard		0												
Reactivity		0												
Personal protection		A												

Date of issue : 01-September-2005.

Responsible name : Regulatory Affairs

Date of previous issue : 01-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.