

PRO 409 ANTIBACTERIAL

Manufacturer MSDS Number:

SECTION 1 : Chemical Product and Company Identification

MSDS Name: Pro 409 Antibacterial

Distributor Name: Uline Inc.

Distributor Address:

2220 S. Lakeside Drive
Waukegan, IL 60085

Distributor Telephone: 1-800-295-5510

For information in North America, call: 1-800-295-5510

For emergencies in the US, call CHEMTREC: 800-424-9300

Manufacturer MSDS Revision Date:

7/98

Other Designations:

EPA Registration Number: 5813-55

Product Code: S-7147

SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	Percent	
Alkyl (C12 40%; C14 50% C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	Concentration: 0.3%	

Other Exposure Guidelines:

Worker Exposure Limit: Not Established

Chemical Name	CAS#	Percent	
Ethylene Glycol Monobutyl Ether	111-76-2	Concentration: 3-8%	

OSHA PEL TWA: 25 ppm

ACGIH TLV TWA: 25 ppm

Chemical Name	CAS#	Percent	
Potassium carbonate	584-08-7	Concentration: 1-3%	

Other Exposure Guidelines:

Worker Exposure Limits: Not Established

Note that 2-butoxyethanol can be absorbed through the skin and may contribute to overall exposure.

None of the ingredients in this product is on the IARC, NTP or OSHA carcinogen lists.

TLV-TWA – Threshold Limit Value – Time Weighted Average.

Source: ACGIH 1995-1996.

PEL – Permissible Exposure Limit.

Source: OSHA

SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:

Clear Liquid

Color:

Green

pH:

-11.3

Solubility:

In Water: Soluble

Specific Gravity:

1.01 @ 25 deg C

FlashPoint:

128 deg F

SECTION 4 : Fire And Explosion Hazards

Flash Point:

128 deg F

Extinguishing Media:

Dry Chemical, carbon dioxide (CO₂), foam, or water spray.

SECTION 5 : Health Hazards

Applies to All Ingredients:

Potential Health Effects:

Overexposure to this product may cause the Worker Exposure Limit of 2-butoxyethanol to be exceeded. 2-butoxyethanol has been shown to cause red blood cell hemolysis in laboratory animals and secondary injury to the kidney and liver. However, humans appear to be resistant to this effect.

Eye Contact:

Eye irritant. Direct or prolonged skin contact may result in irritation. Avoid contact with food.

Aggravation of Pre-Existing Conditions:

No known medical conditions are known to be aggravated by exposure to this product.

SECTION 6 : Emergency And First Aid Procedures

Eye Contact:

Flush eyes with water for at least 15 minutes. Call physician if irritation occurs.

Skin Contact:

Rinse skin with water. If irritation develops contact a physician.

Inhalation:

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion:

Drink a glassful of water to dilute. Call a physician.

SECTION 7 : Reactivity Data

Chemical Stability:

Stable under normal use and storage conditions.

SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

Work Practices:

Wear safety glasses and gloves. Do not inhale vapor or mist.

Hygiene Practices:

Wash hands after direct contact.

Waste Disposal:

Dispose of in accordance with all applicable federal, state, and local regulations.

EPA Waste Number:

EPA Registration Number: 5813-55

DOT Shipping Name:

Not restricted per 49 CFR 173.120(a)(3) and Appendix H.

IMO:

Not restricted per IMDG Code Page 0016 Paragraph 5.1.3.1.1

IATA:

Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5

SECTION 9 : Control Measures

Engineering Controls:

Use general ventilation to minimize exposure to mist.

The above recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale, or prolonged exposure.

SECTION 10 : Other Information

Applies to all ingredients:

TSCA 8(b): Inventory Status

All components of this product are on the TSCA Inventory.

SARA:

EPA – SARA Title III/CERCLA: Bottled product is not reportable under Sections 311/312; contains no chemicals regulated under Section 313; and contains glycol ethers < 8% which is regulated under Section 304/CERCLA.

MSDS Revision Date:

7/98

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