

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product identity: Humidifier Bacteriostatic Treatment

Use: Humidifier bacteriostat for home use

Supplier: Essick Air Products, Inc.  
5800 Murray Street  
Little Rock, AR 72209-2543  
(501) 562-1094

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ready-to-use solution containing the following active ingredients:

n-Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>) dimethyl benzyl ammonium chlorides (CAS No. 53516-76-0) 1.125%

n-Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>) dimethyl ethylbenzyl ammonium chlorides (CAS No. 85409-23-0) 1.125%

### 3. HAZARDS IDENTIFICATION

Appearance: clear, colorless liquid. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear, protective clothing, and rubber gloves. Harmful if swallowed. After high vapor exposure, remove to fresh air.

This product contains no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH as of this date, greater or equal to 0.1%.

### 4. FIRST AID MEASURES

EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN CONTACT:** Take off contaminated clothing as necessary. Rinse skin immediately with plenty of water for 15 ó 20 minutes. Call a poison control center or doctor for treatment advice, if irritation develops.

**INHALATION:** Remove person to fresh air. If breathing has stopped, resuscitate. Call a poison control center or doctor for treatment advice.

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

**FLASH POINT:** N/A      **METHOD USED:** N/A

National Fire Protection Association (NFPA) ó Hazard Information  
Health ó 0      Flammability ó 0      Reactivity ó 0  
(This product meets the requirements of L A Rule 66 and similar regulations.)

**EXTINGUISHING MEDIA:** N/A

**SPECIAL EXPOSURE HAZARDS:** N/A

**PRODUCTS OF COMBUSTION AND DECOMPOSITION:** See Section 10 ó Stability and Reactivity

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** See Section 8 ó Exposure Controls/Personal Protection

**Environmental Precautions:** Not known

**Spill or leak procedures:** Stop spill source at once, dike area and contain. If possible, pump liquid into salvage tank. Remaining residue may be taken up with absorbent material and shoveled into containers. Evaporate

until all vapors are gone. Dispose of in accordance with all State and Federal regulations.

7. HANDLING AND STORAGE

Use only with adequate ventilation. Do not store above 49°C (120°F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use local exhaust to capture excessive vapor, mists, or fumes. Use only with adequate ventilation. Keep container tightly closed and upright when not in use to prevent leakage.

Respiratory Protection: Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

Skin Protection: When prolonged or repeated skin contact is anticipated, use chemical-resistant gloves.

Eye Protection: Use goggles or face shield when eye contact may occur.

Personal Hygiene: Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid  
Odor: Mild  
pH: 5.46  
Boiling Point: 101°C (214°F)  
Vapor Pressure (mm of Hg at 20°C): 17.0  
Vapor Density: 0.6  
Specific Gravity: 0.996 g/mL  
Water Solubility: Complete

10. STABILITY AND REACTIVITY

Stable in original container at ambient temperatures.

Conditions to avoid: N/A

Materials to avoid: Isolate from strong oxidizers, such as permanganate.

Hazardous and/or decomposition products: Hydrogen chloride, phosgene, nitrogen oxide vapors from heating

11. TOXICOLOGICAL INFORMATION

Acute oral:            > 500 mg/kg  
Acute dermal:        > 2000 mg/kg

Primary eye irritation: corrosive  
Primary skin irritation: corrosive

12. ECOLOGICAL INFORMATION

There is no ecotoxicity data available for this product.

13. DISPOSAL CONSIDERATIONS

If the material as supplied becomes a waste, discard in trash. Do not reuse container.

14. TRANSPORT INFORMATION

SHIPPING NAME: N/A  
HAZARD CLASS: N/A  
PACKING GROUP: N/A  
DOT IDENTIFICATION NO.: None assigned (UN0000)

For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation (DOT) Emergency Response Guidebook for Hazardous Materials Incidents.

15. REGULATORY INFORMATION

This product is registered with the US Environmental Protection Agency (EPA Reg. No. 81371-1).

16. OTHER INFORMATION

MSDS Status: New

MSDS Prepared by: Merritt Grissinger  
Regulatory Specialist  
SciReg, Inc.

Abbreviations: N/A ó Not applicable