

# Safety Data Sheet

## Section 1: Identification

**Product Name:** Essick Bacteriastat

Manufacturer's Name:  
PRODUCTION ASSISTANCE LINK, INC.

Phone: 501-945-7771  
Fax: 501-945-7778

Address:  
401 NORTH PALM STREET  
NORTH LITTLE ROCK, AR 72114

EMERGENCY CONTACT:  
Chemtrec (acct #17965) : 1-800-424-9300

Product Use: Antibacterial Additive

## Section 2: Hazard(s) Identification

### Emergency Overview

#### GHS Ratings:

|                    |    |                                                                                                                                                                                                                                                          |
|--------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin corrosive     | 2  | Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation                                                                                                                                                   |
| Eye corrosive      | 2A | Eye irritant: Subcategory 2A, Reversible in 21 days                                                                                                                                                                                                      |
| Mutagen            | 1B | Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity |
| Reproductive toxin | 1A | Based on human evidence                                                                                                                                                                                                                                  |

#### GHS Hazards

|      |                                          |
|------|------------------------------------------|
| H315 | Causes skin irritation                   |
| H319 | Causes serious eye irritation            |
| H340 | May cause genetic defects                |
| H360 | May damage fertility or the unborn child |

#### GHS Precautions

|                |                                                                                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------|
| P202           | Do not handle until all safety precautions have been read and understood                                                          |
| P281           | Use personal protective equipment as required                                                                                     |
| P362           | Take off contaminated clothing and wash before reuse                                                                              |
| P302+P352      | IF ON SKIN: Wash with soap and water                                                                                              |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P308+P313      | IF exposed or concerned: Get medical advice/attention                                                                             |
| P405           | Store locked up                                                                                                                   |
| P501           | Dispose of contents/container per section 13.                                                                                     |

**Danger**



**ACUTE HEALTH EFFECTS:**

INGESTION: May be harmful if swallowed.

EYE CONTACT: Causes moderate eye irritation.

SKIN CONTACT: Product concentrate may cause moderate skin irritation. Other skin contact has no likely problems.

INHALATION: Not Likely.

**CHRONIC HEALTH EFFECTS:**

Prolonged or repeated skin contact with product concentrate may cause skin irritation in sensitive individuals.

**Section 3: Composition**

| Chemical Name / CAS No.                 | OSHA Exposure Limits            | ACGIH Exposure Limits | Other Exposure Limits                  |
|-----------------------------------------|---------------------------------|-----------------------|----------------------------------------|
| Ethyl alcohol<br>64-17-5<br>0.1 to 1.0% | 1000 ppm TWA; 1900<br>mg/m3 TWA | 1000 ppm STEL         | NIOSH: 1000 ppm<br>TWA; 1900 mg/m3 TWA |

**Section 4: First-Aid Measures**

INHALATION: If product is inhaled, remove patient to fresh air, apply artificial respiration and other supportive measures as required. Consult a poison center, emergency room or lung specialist for guidance.

EYE CONTACT: If product is splashed into eyes, flush eyes immediately with plenty of water for at least 15 minutes. Hold eyelids apart to insure complete flushing.

SKIN CONTACT: If excessive skin contact with this product occurs, flush with plenty of water followed by washing with soap and water.

INGESTION: If swallowed, contact a physician immediately.

**Section 5: Fire-Fighting Measures**

LEL:

UEL:

FLASHPOINT C: Not Applicable

FLASHPOINT F: Not Applicable

FLAMMABLE LIMITS: Not Applicable

SUITABLE EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide from burning.

FIRE FIGHTING INSTRUCTIONS: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus (SCBA) and full protective gear.

**Section 6: Accidental Release Measures****PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

PERSONAL PRECAUTIONS: Use personal protection recommended in Section 8.

OTHER INFORMATION: For all transportation accidents call Chemtrec @ 800-424-9300

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**

SMALL SPILLS: Pick up with sand, earth, or other noncombustible absorbent material.

LARGE SPILLS: Shovel loose material into disposal container. Pick up remainder with absorbent.

**Section 7: Handling and Storage**

See Section 10 below for any incompatible chemicals.

STORAGE TEMPERATURE: ambient

STORAGE PRESSURE: atmospheric

**Section 8: Exposure Controls/Personal Protection**

| Chemical Name / CAS No.  | OSHA Exposure Limits            | ACGIH Exposure Limits | Other Exposure Limits                  |
|--------------------------|---------------------------------|-----------------------|----------------------------------------|
| Ethyl alcohol<br>64-17-5 | 1000 ppm TWA; 1900<br>mg/m3 TWA | 1000 ppm STEL         | NIOSH: 1000 ppm TWA;<br>1900 mg/m3 TWA |

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation to maintain exposure below TLV(s).

EYE PROTECTION: Wear safety glasses or face shield if material is likely to be splashed in face.

SKIN PROTECTION: Wear protective clothing and gloves constructed of materials which are appropriate to prevent contact with this material.

**Section 9: Physical and Chemical Properties**

|                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific Gravity (SG)</b> 0.997<br><b>Freezing point:</b> Not Determined<br><b>Initial Boiling Point:</b> 100°C<br><b>Evaporation rate:</b> Not Determined<br><b>Vapor Density:</b> 1.6<br><b>Odor:</b> Mild<br><b>Freezable</b> No<br><b>Flamability-upper</b> Not Applicable<br><b>Partition coefficient</b> Not Determined<br><b>Decomposition temperature:</b> Not Determined<br><b>Lbs VOC/Gallon Less Water</b> Not Determined | <b>Melting Point</b> Not Determined<br><b>Solubility:</b> Soluble<br><b>Flash point:</b> Not Applicable<br><b>Odor threshold:</b> 0.36<br><b>Appearance:</b> Clear liquid<br><b>Vapor Pressure:</b> 43.0 mmHg<br><b>Flamability-lower</b> Not Applicable<br><b>PH Value</b> Not Applicable<br><b>Autoignition temperature:</b> Not Applicable<br><b>Viscosity</b> Not Applicable |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Section 10: Stability and Reactivity**

GENERAL: This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Avoid contact with strong oxidants.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon monoxide,

carbon dioxide from burning.

## Section 11: Toxicological Information

### Mixture Toxicity

### Component Toxicity

ROUTES OF ENTRY:

**Not Determined**

TARGET ORGANS:

**Blood    Eyes    Liver    Central Nervous System    Reproductive System    Skin**  
**Respiratory System**

CARCINOGENICITY:

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u>                              |
|-------------------|--------------------|-----------------|-------------------------------------------------------|
| 64-17-5           | Ethyl alcohol      | 0.1 to 1.0%     | Ethyl alcohol: IARC: Human carcinogen<br>OSHA: listed |

## Section 12: Ecological Information

Not Available.

### Component Ecotoxicity

|               |                                                                                                                                                                                                                                                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethyl alcohol | 96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]<br>48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static] |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Section 13: Disposal Considerations

Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes.

## Section 14: Transport Information

The following information applies to the listed mode of transportation only. The description may change or the item may become regulated in other modes.

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
|               | Not Determined              |                  |                      |                     |

## Section 15: Regulatory Information

Regulatory information is not meant to be all-inclusive. It is the user's responsibility to ensure compliance with federal, state, or provincial and local laws.

CAA (Clean Air Act) - Accidental Release Prevention- Flammable Substances  
- None

CAA (Clean Air Act) - Accidental Release Prevention - Toxic Substances  
- None

CERCLA/SARA - Hazardous Substances and their Reportable Quantities  
- None

CWA (Clean Water Act) - Toxic Pollutants  
- None

DOT (Department of Transportation) - Hazardous Substances and Reportable Quantities

- None

International Maritime Organization (IMO) - IMDG - Marine Pollutants

- None

New Jersey - Right to Know Hazardous Substance List

Ethyl alcohol 64-17-5 0.1 to 1.0 %

OSHA - Specifically Regulated Chemicals

- None

CERCLA/SARA - Section 313 - Emission Reporting

- None

TSCA (Toxic Substances Control Act) Section 4(e) - ITC Priority Testing List

- None

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

- None

**Section 16: Other Information**

**Hazardous Material Information System (HMIS)**

|                     |  |   |
|---------------------|--|---|
| HEALTH              |  | 2 |
| FLAMMABILITY        |  | 0 |
| PHYSICAL HAZARD     |  | 0 |
| PERSONAL PROTECTION |  | C |

**HMIS & NFPA Hazard Rating**

**Legend**

\* = Chronic Health Hazard

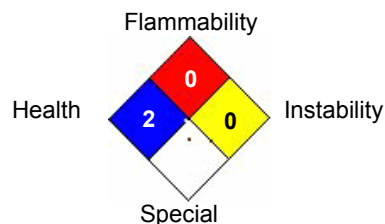
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

**National Fire Protection Association (NFPA)**



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Reviewer Revision