

**Safety Data Sheet**  
**Bovine Lactadherin - FITC labeled**

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**SECTION 1: Identification**

**1.1 Product identifier**

|                |                                   |
|----------------|-----------------------------------|
| Product name   | Bovine Lactadherin - FITC labeled |
| Product number | BLAC-FITC                         |

**1.3 Recommended use of the chemical and restrictions on use**

Laboratory research use only.

**1.4 Supplier's details**

|           |  |
|-----------|--|
| Name      | Haematologic Technologies, Inc.                  |
| Address   | 57 River Road<br>Essex Junction, VT 05452<br>USA |
| Telephone | +1 (802) 878-1777                                |
| Fax       | +1 (802) 878-1776                                |
| email     | hti@haemtech.com                                 |

**1.5 Emergency phone number(s)**

+1 (802) 878-1777 Hours of operation: M-F 08:00-16:30 EST  
+1 (800) 424-9300 (CHEMTREC®) during non-company hours

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**SECTION 2: Hazard identification**

**General hazard statement**

Product of bovine milk. No hazards known.

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

This product is formulated in buffer. Please see SDS sheets for components in Section 3.

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**SECTION 3: Composition/information on ingredients**

# Safety Data Sheet

## Bovine Lactadherin - FITC labeled

### 3.2 Mixtures

#### Hazardous components

| Component   | Concentration        |
|---|----------------------|
| <b>Bovine Lactadherin</b><br>CLASSIFICATIONS: No data available. HAZARDS: No data available.  | > 0 - < 1 % (Weight) |
| <b>Sodium Chloride (CAS no.: 7647-14-5; EC no.: 231-598-3)</b><br>CLASSIFICATIONS: Eye damage/irritation (chapter 3.3), Cat. 2A. HAZARDS: No data available.  | 0.9 % (Weight)       |
| <b>Tris (CAS no.: 77-86-1; EC no.: 201-064-4)</b><br>CLASSIFICATIONS: Eye damage/irritation (chapter 3.3), Cat. 2A; Skin corrosion/irritation (chapter 3.2), Cat. 2; Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3. HAZARDS: No data available.   | 0.3 % (Weight)       |
| <b>SODIUM AZIDE (CAS no.: 26628-22-8; EC no.: 247-852-1; Index no.: 011-004-00-7)</b><br>CLASSIFICATIONS: Acute toxicity (chapter 3.1), Cat. 2; Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1; Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1. HAZARDS: H300 - Fatal if swallowed; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects. | 0.02 % (Weight)      |
| <b>Albumin, Bovine powder (CAS no.: 9048-46-8; EC no.: 232-936-2)</b><br>CLASSIFICATIONS: No data available. HAZARDS: No data available.  | 1 % (Weight)         |
| <b>WATER (CAS no.: 7732-18-5)</b>   | 98 % (Volume)        |

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

|                         |   |
|-------------------------|---|
| General advice          | Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.       |
| If inhaled              | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| In case of skin contact | Rinse with plenty of water. Get medical attention if irritation develops and persists.                          |
| In case of eye contact  | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.                          |
| If swallowed            | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.             |

### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical powder, or appropriate foam. Water spray.

### 5.2 Specific hazards arising from the chemical

No data available.

### 5.3 Special protective actions for fire-fighters

Special fire fighting precautions: wear self-contained breathing apparatus and protective clothing to prevent inhalation and contact with eyes and skin.

# Safety Data Sheet

## Bovine Lactadherin - FITC labeled

### Further information

No data available.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Chemical safety goggles, protective clothing and shoes, and protective rubber gloves.

### 6.2 Environmental precautions

No data available.

### 6.3 Methods and materials for containment and cleaning up

Blot-up liquid spills with absorbent paper.

### Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Wear chemical resistant gloves, chemical safety goggles, and protective clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Store this material in a container that will contain any accidental leaks or spills. Store at the temperature indicated on the product data sheet.

### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: Exposure controls/personal protection

### 8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Pictograms



#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

# Safety Data Sheet

## Bovine Lactadherin - FITC labeled

### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Thermal hazards

No data available.

### Environmental exposure controls

No data available.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

|   |                       |
|---|-----------------------|
| Appearance/form                         | Liquid, tinted yellow |
| Odor                                    | None                  |
| Odor threshold                          | No data available.    |
| pH                                      | See data sheet        |
| Melting point/freezing point            | No data available.    |
| Initial boiling point and boiling range | No data available.    |
| Flash point                             | No data available.    |
| Evaporation rate                        | No data available.    |
| Flammability (solid, gas)               | No data available.    |
| Upper/lower flammability limits         | No data available.    |
| Upper/lower explosive limits            | No data available.    |
| Vapor pressure                          | No data available.    |
| Vapor density                           | No data available.    |
| Relative density                        | No data available.    |
| Solubility(ies)                         | No data available.    |
| Partition coefficient: n-octanol/water  | No data available.    |
| Auto-ignition temperature               | No data available.    |
| Decomposition temperature               | No data available.    |
| Viscosity                               | No data available.    |
| Explosive properties                    | No data available.    |
| Oxidizing properties                    | No data available.    |

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

# Safety Data Sheet

## Bovine Lactadherin - FITC labeled

No data available.

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Sodium Chloride

LD50 Oral - Rat - 4,000 mg/kg

LD50 Skin - Rabbit - 10,000 mg/kg

LC50 Inhalation - Rat - 42 mg/l - 1 hour

Tris

LD50 Oral - Rat - 5,900 mg/kg

##### Skin corrosion/irritation

No data available.

##### Serious eye damage/irritation

No data available.

##### Respiratory or skin sensitization

No data available.

##### Germ cell mutagenicity

No data available.

##### Carcinogenicity

No data available.

##### Reproductive toxicity

No data available.

##### Summary of evaluation of the CMR properties

No data available.

##### STOT-single exposure

No data available.

##### STOT-repeated exposure

No data available.

##### Aspiration hazard

No data available.

##### Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated; however:

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Human source material. The toxicological properties have not been thoroughly investigated.

**Safety Data Sheet**  
**Bovine Lactadherin - FITC labeled**

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**SECTION 12: Ecological information**

**Toxicity**

Sodium Chloride

EC50 - Daphnia magna (water flea) - 340.7 mg/l - 48 hours

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available.

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**SECTION 13: Disposal considerations**

**Disposal of the product**

Disposal should be done in accordance with the existing disposal practices employed for infectious waste at your institution.

**Disposal of contaminated packaging**

Disposal should be done in accordance with the existing disposal practices employed for infectious waste at your institution.

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**SECTION 14: Transport information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 311/312 Hazards**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312

**SARA 313 Components**

## Safety Data Sheet

### Bovine Lactadherin - FITC labeled

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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#### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### New Jersey Right To Know Components

Sodium Chloride; CAS 7647-14-15

Tris (hydroxymethyl) aminomethane; CAS 77-86-1

Common name: SODIUM AZIDE

CAS number: 26628-22-8

#### Massachusetts Right To Know Components

Chemical name: Sodium phosphate, dibasic

CAS number: 7558-79-4

Chemical name: Sodium azide (Na(N<sub>3</sub>))

CAS number: 26628-22-8

#### Pennsylvania Right To Know Components

Sodium Chloride; CAS 7647-14-15

Tris (hydroxymethyl) aminomethane; CAS 77-86-1

Chemical name: Sodium azide

CAS number: 26628-22-8

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## SECTION 16: Other information

### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Haematologic Technologies, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Haematologic Technologies, Inc. has been advised of the possibility of such damages.