

**MATERIAL SAFETY DATA SHEET (US)**

FILE NO.: A(04)8.2.4.140(ZB)2009

BloodSTOP hemostatic gauze

MSDS DATE: 03/03/2009

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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** BloodSTOP hemostatic gauze, BloodSTOP iX hemostat  
**SYNONYMS:**  
**PRODUCT CODES:** BS-09; BS-10; BS-11; BS-12; BS-13; BS-IX14; BS-IX15; BS-IX16; BS-IX17; BS-IX20; BS-IX21; BS-IX34  
 BS-MP18; BS-OTC28; BS-IX27; BS-IX33  
**MANUFACTURER:** LifeScience PLUS, Inc.  
**DIVISION:**  
**ADDRESS:** 2520A Wyandotte Street, Mountain View, CA 94043  
 P.O. BOX 60783, Palo Alto, CA 94306  
**EMERGENCY PHONE:** 1-877-587-5433  
**CHEMTREC PHONE:** N/A  
**OTHER CALLS:** 1-650-565-8172  
**FAX PHONE:** 1-650-336-1130  
**CHEMICAL NAME:** Carboxymethyl Cellulose  
**CHEMICAL FAMILY:** oxidized and etherized Natural Cellulose  
**CHEMICAL FORMULA:** N/A  
**PRODUCT USE:** Wound Care Bleeding Control  
**PREPARED BY:** Vicky Feng

**SECTION 1 NOTES:****SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS****INGREDIENT:** 85-90% Carboxymethyl Cellulose; 10-20% moisture; <0.1% Iron and Sodium

| <u>CAS NO.</u>     | <u>% WT</u> | <u>% VOL</u> | <u>SARA 313 REPORTABLE</u> |
|--------------------|-------------|--------------|----------------------------|
|                    | <u>ppm</u>  | <u>mg/m3</u> |                            |
| OSHA PEL-TWA:      | N/A         | N/A          |                            |
| OSHA PEL STEL:     | N/A         | N/A          |                            |
| OSHA PEL CEILING:  | N/A         | N/A          |                            |
| ACGIH TLV-TWA:     | N/A         | N/A          |                            |
| ACGIH TLV STEL:    | N/A         | N/A          |                            |
| ACGIH TLV CEILING: | N/A         | N/A          |                            |

**SECTION 2 NOTES:****SECTION 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:**

ROUTES OF ENTRY: Biodegradable. Biocompatible

**POTENTIAL HEALTH EFFECTS****EYES:** Rinse off with sterile water or saline. Dissolves in water**SKIN:** Rinse off with sterile water or saline. Dissolves in water**INGESTION:** Take large amount of water in mouth. It dissolves in water and let gel like flow out.**INHALATION:** Not applicable**ACUTE HEALTH HAZARDS:** No data**CHRONIC HEALTH HAZARDS:** No data

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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No data

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**CARCINOGENICITY**

OSHA: No data

ACGIH: No data

NTP: No data

IARC: No data

OTHER:

**SECTION 3 NOTES:****SECTION 4: FIRST AID MEASURES****EYES:** Rinse off by sterile water or saline. It dissolves in water**SKIN:** Rinse off with sterile water or saline. Dissolves in water**INGESTION:** Take large amount of water in mouth. It dissolves in water and let gel like flow out.**INHALATION:** Not applicable**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Do not use this product on infected wound. Keep moisture on external wound, and rinse off by sterile water or saline after bleeding controlled.**SECTION 4 NOTES:****SECTION 5: FIRE-FIGHTING MEASURES****FLAMMABLE LIMITS IN AIR, UPPER:**  
(% BY VOLUME)                      **LOWER:****FLASH POINT:** No data**F:****C:****METHOD USED:** No data**AUTOIGNITION TEMPERATURE:** No data**F:****C:****NFPA HAZARD CLASSIFICATION:** No data**HEALTH:****FLAMMABILITY:****REACTIVITY:****OTHER:****HMIS HAZARD CLASSIFICATION:** No data**HEALTH:****FLAMMABILITY:****REACTIVITY:****PROTECTION:****EXTINGUISHING MEDIA:** Remove the source of fire as in the case of general fire, and extinguish the fire with water or a fire extinguisher.**SPECIAL FIRE FIGHTING PROCEDURES:** Water, foam or CO2 gas fire extinguisher**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No applicable**HAZARDOUS DECOMPOSITION PRODUCTS:** No applicable**SECTION 5 NOTES:****SECTION 6: ACCIDENTAL RELEASE MEASURES****ACCIDENTAL RELEASE MEASURES:**

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## SECTION 6 NOTES:

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**SECTION 7: HANDLING AND STORAGE**

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HANDLING AND STORAGE: Room temperature

OTHER PRECAUTIONS: Avoid moisture

## SECTION 7 NOTES:

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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## ENGINEERING CONTROLS:

VENTILATION : No data

RESPIRATORY PROTECTION: No data

EYE PROTECTION: Rinse off by water

SKIN PROTECTION: Rinse off by water

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No applicable

WORK HYGIENIC PRACTICES: No data

EXPOSURE GUIDELINES: None

## SECTION 8 NOTES:

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE: White fabric or light yellow fabric

ODOR: Odorless

## PHYSICAL STATE:

pH AS SUPPLIED: 6-8

pH (Other):

BOILING POINT: N/A

F:

C:

MELTING POINT: N/A

F:

C:

FREEZING POINT: N/A

F:

C:

VAPOR PRESSURE (mmHg): N/A

②

F:

C:

VAPOR DENSITY (AIR = 1): N/A

②

F:

C:

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.2-1.4

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@

F:

C:

EVAPORATION RATE: N/A

BASIS (=1):

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)**

SOLUBILITY IN WATER: Transparent to half transparent gel

PERCENT SOLIDS BY WEIGHT: 16.8%

PERCENT VOLATILE: N/A

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

|                |         |
|----------------|---------|
| WITH WATER:    | LBS/GAL |
| WITHOUT WATER: | LBS/GAL |

MOLECULAR WEIGHT: N/A

VISCOSITY:

@

F:

C:

SECTION 9 NOTES:

**SECTION 10: STABILITY AND REACTIVITY**STABLEUNSTABLE

STABILITY:

Stable on ordinary use

No data

CONDITIONS TO AVOID (STABILITY): None

INCOMPATIBILITY (MATERIAL TO AVOID): None

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

**SECTION 11: TOXICOLOGICAL INFORMATION**

TOXICOLOGICAL INFORMATION: No data

SECTION 11 NOTES:

**SECTION 12: ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION: No data

SECTION 12 NOTES:

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**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: It turns into gel.

RCRA HAZARD CLASS:

**SECTION 13: DISPOSAL CONSIDERATIONS (con't)**

SECTION 13 NOTES: Wash out by water after use

**SECTION 14: TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION**

PROPER SHIPPING NAME: N/A

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

**WATER TRANSPORTATION**

PROPER SHIPPING NAME: N/A

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

**AIR TRANSPORTATION N/A**

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER: CNBEIBLH5BEI

PACKING GROUP: 3005.10.1000

LABEL STATEMENTS: BloodSTOP gauze

OTHER AGENCIES:

SECTION 14 NOTES:

**SECTION 15: REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS**

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS: N/A

INTERNATIONAL REGULATIONS: N/A

SECTION 15 NOTES:

**SECTION 16: OTHER INFORMATION**

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**PREPARATION INFORMATION:** No data

**DISCLAIMER:** No data