



# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: WOOL ZONE**

## SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

**PRODUCT NAME:** Wool Zone

**MANUFACTURER:**

Bridgepoint Systems  
4282 S 590 W  
Salt Lake City, UT 84123  
Telephone: 801-261-1282

**EMERGENCIES:** (800) 535-5053 (Infotrac)

**Date:** 10/9/2011

**NFPA/HMIS RATINGS:** Health: 1, Flammability: 0, Reactivity: 1

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

## SECTION 2: COMPOSITION/INFORMATION ON COMPONENTS

<b>HAZARDOUS INGREDIENTS:</b>	<b>OSHA PEL</b>	<b>TLV</b>
Glycolic Acid (CAS # 79-14-1)	N/E	N/E
Citric Acid (CAS # 77-92-9)	N/E	N/E

## SECTION 3: HAZARDS IDENTIFICATION

**Immediate Health Effects**

**Eye Contact:** May cause temporary eye irritation; injury to eye tissue unlikely.

**Skin Contact:** Frequent or prolonged contact may cause temporary irritation. Skin contact may aggravate an existing dermatitis condition.

**Inhalation:** May cause slight temporary irritation.

**Ingestion:** Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause temporary injury.

**Primary Routes of Entry:** Eyes, skin contact/absorption, inhalation or ingestion.

**Signs/Symptoms of Overexposure:** Gastrointestinal irritation (nausea, vomiting, diarrhea), and/or irritation to the skin, eyes, nose, throat, and respiratory tract.

**Target Organ Effects:** Irritation of the skin and eyes. Irritation of lungs possible if mists/aerosols are inhaled.

**Reproductive/Developmental Information:** No data available.

**Carcinogenicity:** NTP: Known – No; Anticipated – No OSHA: No IARC: No

**Long Term Effects:** No data available.

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: WOOL ZONE

Page 2 of 4

## **SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Immediately irrigate with flowing water continuously for 15 minutes. If irritation persists consult medical personnel.

**Skin Contact:** Wash with soap and water. If irritation persists consult medical personnel.

**Inhalation:** Move to fresh air. If irritation persists consult medical personnel.

**Ingestion:** If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

## **SECTION 5: FIRE-FIGHTING MEASURES**

**Flashpoint:** >212° F

**Explosive limits:** No data

**Autoignition temperature:** No data

**General Hazard:** Irritant

**Fire Fighting Procedures:** Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

**Hazardous Decomposition Products:** During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to carbon dioxide and carbon monoxide.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Keep all unnecessary personnel away. Prevent additional discharge of material. Prevent material from entering sewers, watercourses, or low areas. Contain and absorb spilled material with sand or earth. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## **SECTION 7: HANDLING AND STORAGE**

Store out of reach of children; keep container closed; store in a cool well-ventilated place away from strong oxidizing or alkaline products. Avoid contact with skin and eyes. Use in a well-ventilated area; do not breathe vapors. Wash hands thoroughly after handling.

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

**Engineering Controls:** Normal room ventilation is satisfactory for limited use.

**Eye Protection:** Safety glasses

**Skin Protection:** Use gloves impervious to this material when prolonged or frequently repeated contact could occur.

**Respiratory:** No respiratory protection should be needed.

**Exposure guidelines:** N/E

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: WOOL ZONE

Page 3 of 4

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Odor:** Slight Acrid Odor

**Physical State:** Liquid.

**Appearance:** Clear

**pH:** 3.0 – 3.5 Ready to Use (Concentrate 2.5)

**Specific Gravity:** 1.08

**Boiling Point:** N/D

**Freezing/Melting Point:** N/D

**Vapor Pressure:** N/D

**Vapor Density:** N/D

**Solubility in Water:** Complete

### **SECTION 10: STABILITY AND REACTIVITY**

**Chemical stability:** Stable

**Incompatibility with other substances:** Strong oxidizing or alkaline agents

**Reactivity:** None known.

**Hazardous Decomposition Products:** Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Route of Entry:** Eye contact, and skin absorption/contact.

#### **Effects of Acute Overexposure to Product:**

**Eye Contact:** May cause temporary eye irritation, redness, tearing and blurred vision.

**Skin Contact:** May cause temporary skin irritation, defatting and dermatitis.

**Inhalation:** Inhalation of mist or vapor may cause temporary respiratory irritation, temporary central nervous system effects including dizziness, weakness, fatigue, nausea, and headache.

**Ingestion:** May cause gastrointestinal temporary irritation with nausea, vomiting and diarrhea, aspiration into the lungs can cause chemical pneumonitis.

#### **Effects of Chronic Overexposure to Product:**

**Exposure limits:** N/D for mixture

**Teratogenicity:** None

**Reproductive toxicity:** None

**Sensitization to Product:** None known

**Mutagenicity:** None

**Carcinogenicity:** None

#### **Glycolic Acid**

Acute oral toxicity (LD50): 2743 mg/kg (Guinea pig)

#### **Citric Acid**

Draize test, rabbit, eye: 750 ug/24H Severe; Draize test, rabbit, skin: 500 mg/24H Mild;

Oral, mouse: LD50 = 5040 mg/kg; Oral, rat: LD50 = 3 gm/kg;

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: WOOL ZONE

Page 4 of 4

### **SECTION 12: ECOLOGICAL INFORMATION**

#### **Glycolic Acid**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are less toxic than the product itself.

#### **Citric Acid**

Fish toxicity: LC100 goldfish 894 mg/l lifetime exposure in hard water, LD0 goldfish 625 mg/l lifetime exposure in hard water. Invertebrate toxicity: LD100 Daphnia magna 120mg/l lifetime exposure in soft water, LD0 Daphnia magna 80 mg/l lifetime exposure in soft water.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

### **SECTION 14: TRANSPORT INFORMATION**

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

### **SECTION 15: REGULATORY INFORMATION**

Glycolic Acid (CAS # 79-14-1) CERCLA  
All components are listed on TSCA.

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act

### **16. OTHER INFORMATION**

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. BRIDGEPOINT SYSTEMS MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A = Not applicable N/D = Not determined N/E = Not established