



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZONE PERFECT PRESpray
CC02

SECTION 1: PRODUCT INFORMATION

PRODUCT NAME: Zone Perfect Prespray

Manufactured by: Bridgepoint Systems
4282 S 590 W
Salt Lake City, UT 84123
Telephone: 801-261-1282
Prepared 02/01/2011

EMERGENCIES: (800) 535-5053 (Infotrac)

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

Fire: 0 Health: 1 Reactivity: 0

SECTION 2: INGREDIENTS

PRINCIPLE HAZARDOUS INGREDIENTS:

Glycol Ether EB

Triethanolamine (CAS #102-71-6)

TLV

20ppm

5 mg/m³

OSHA PEL

50ppm

N/E

SECTION 3: HEALTH HAZARD INFORMATION

IMMEDIATE HEALTH EFFECTS

Eyes: Overexposure may cause irritation to eyes.

Skin: Prolonged and repeated contact may cause irritation to skin.

Inhalation: Inhalation may cause irritation of upper respiratory passages.

Ingestion: Single dose oral toxicity is low. Swallowing large amounts may be harmful.

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.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

SKIN: If irritation occurs, flush skin with water for at least 15 minutes. If irritation persists, consult a physician

INHALATION: If symptoms of overexposure develop, remove to fresh air. If symptoms persist, consult a physician.

INGESTION: Give 8 to 16 ounces of water to dilute substance. Do not induce vomiting. Consult a physician or local Poison Control Center. Never give anything by mouth to an unconscious person.

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SECTION 5: FIRE, EXPLOSION & REACTIVITY DATA

FLASHPOINT (° Fahrenheit): No flash below boil.

EXPLOSIVE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

EXTINGUISHING MEDIA: Water spray, foam, dry chemical powder of carbon dioxide.

FIRE FIGHTING INSTRUCTIONS: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL: For small spills, soak up material with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue.

Also note: Surfaces can become slippery if spilled; tread carefully to avoid falling hazard.

SECTION 7. PRECAUTIONS FOR HANDLING AND STORAGE

Store out of reach of children. Keep container closed. Store in a cool, dry location. Avoid freezing or extended storage in high temperatures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits..... None established.

Ventilation System..... Room ventilation is normally satisfactory. Mechanical assist may be required when vapors or mist are generated..

Personal Respirators..... For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH approved) may be worn.

Skin Protection.....Wear protective gloves and clean body-covering clothing.

Eye Protection.....Use chemical safety goggles.

SECTION 9: PHYSICAL DATA

Physical State: Viscous Liquid

Color: Milky Amber

Odor: Floral fragrance

Vapor Pressure(mmHg.).....N/D

Vapor Density(AIR=1).....N/D

pH (ready to use) 9.2 to 9.5

Solubility in Water.....Complete

Boiling Point: 212 F

Percent Volatile by Volume.....N/D

Specific Gravity: 8.82 lbs/gal

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SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

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

Hazardous Polymerization: Will not occur.

Incompatibilities: Acid materials and strong oxidizing materials.

Conditions to Avoid: None known

SECTION 11. TOXICOLOGICAL INFORMATION

Glycol Ether EB

Ingestion-LD50, Guinea pig 1,400 mg/kg

LD50, Rat, Male 1,746 mg/kg

Skin-LD50, Rat 2,770 mg/kg

LD50, Guinea pig >2,000 mg/kg

Inhalation

LC50, 7h, Vapor, Rat 700 ppm

Triethanolamine

Ingestion – LD50, Rat 4920 mg/kg

Skin Absorption – LD50 Rabbit > 20 ml/kg

Irritation data: Skin rabbit: 560 mg/24H mild; eye rabbit: 20 mg severe

SECTION 12. ECOLOGICAL INFORMATION

Glycol Ether EB

Fish LC50 bluegill (*Lepomis macrochirus*) 96h; 820-2,500 mg/l

Fish LC50 rainbow trout (*Oncorhynchus mykiss*) 96h; 1,700 mg/l

Aquatic Invertebrate Acute Toxicity

LC50, water flea *Daphnia magna*; 835mg/l

EC50, water flea *Daphnia magna*, immobilization; 1,600-2,500mg/l

LC50, grass shrimp (*Palaemonetes pugio*), static, 96 h: 5.4 mg/l

LC50, common shrimp *Crangon crangon*, static, 96h: 550-950 mg/l

Aquatic Plant Toxicity

EC50, green alga *Pseudokirchneriella subcapitata* (formally known as *Selenastrum capricornutum*), biomass growth inhibition, 72 h: 911mg/l

ACGIH Confirmed animal carcinogen with unknown relevance to humans

Triethanolamine

Fish Acute & Prolonged Toxicity -LC50 *Pimephales promelas*: 11,800 mg/L [flow-through]; 96

Hr LC50 *Lepomis macrochirus*: 450-1000 mg/L

SECTION 13. DISPOSAL CONSIDERATIONS

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.**

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SECTION 14. TRANSPORTATION

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

SECTION 15. REGULATORY INFORMATION

US Federal Regulations:

TSCA Status: The intentional components of this product are listed.

SARA - Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 –Glycol Ether EB Listed.

SECTION 16. OTHER INFORMATION

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