



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZONE PERFECT CC03GL

SECTION 1: PRODUCT INFORMATION

PRODUCT NAME: Zone Perfect

MANUFACTURER:

Bridgepoint Systems
4282 S 590 W
Salt Lake City, UT 84123
Telephone: 801-261-1282
Prepared 2/17/2009

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

<u>PRINCIPLE HAZARDOUS INGREDIENTS:</u>	<u>TLV</u>	<u>OSHA PEL</u>
Glycol Ether DPNB (CAS # 29911-28-2)	N/E	N/E
Triethalonamine (CAS # 00102-371-6)	5 MG/M ³	N/E
Glycol Ether PnB (CAS # 5131-66-8)	N/E	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.

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: ZONE PERFECT CC03GL

Page 2 of 4

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.

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.

LARGE SPILL: Dike and contain spilled material. Remove with vacuum trucks or pump to storage/salvage containers. Soak up residue with an absorbent such as clay, sand, or other suitable material. 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.

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: ZONE PERFECT CC03GL

Page 3 of 4

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

Boilig Point: 212°	Specific Gravity (H ₂ O= 1).....N/D
Vapor Pressure(mmHg.).....N/D	Percent Volatile by Volume.....N/D
Vapor Density(AIR=1).....N/D	PH(1% Solution).....(9.2-9.5)
Solubility in Water.....Complete	
Appearance & Odor.....Milky amber viscous liquid	

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 PnB

Ingestion -LD50, Rat, female 2,124 - 2,700 mg/kg LD50, Rat, male 2,612 - 5,500 mg/kg

Skin Absorption - LD50, Rat > 2,000 mg/kg

Glycol Ether DPNB

Ingestion -LD50, Rat, female 3,700 mg/kg LD50, Rat, male 4,400 mg/kg

Skin Absorption -LD50, Rabbit, male 6,490 mg/kg, LD50, Rabbit, female 5,330 mg/kg

Inhalation -LC50, 4 h, Aerosol, Rat > 2.04 mg/l

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 PnB

Fish Acute & Prolonged Toxicity -LC50, guppy (Poecilia reticulata), 96 h: 560 - 1,000 mg/l

Aquatic Invertebrate Acute Toxicity -LC50, water flea Daphnia magna: > 1,000 mg/l

Glycol Ether DPNB

Fish Acute & Prolonged Toxicity -LC50, guppy (Poecilia reticulata), 96 h: 841 mg/l

Aquatic Invertebrate Acute Toxicity -LC50, water flea Daphnia magna: > 1,000 mg/l

Triethanolamine

Fish Acute & Prolonged Toxicity -LC50 Pimephales promelas: 11800 mg/L [flow-through]; 96

Hr LC50 Lepomis macrochirus: 450-1000 mg/L

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: ZONE PERFECT CC03GL

Page 4 of 4

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.**

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.

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