



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ENCAPUCLEAN O2 CC17GL

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: Encapuclean O2

MANUFACTURER:

Bridgepoint Systems
4282 S 590 W
Salt Lake City, UT 84123
Telephone: 801-261-1282
Prepared 3/14/2012

EMERGENCIES: (800) 535-5053 (Infotrac)

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

Fire: 1 Health: 2 Reactivity: 1

SECTION 2 COMPOSITION/INFORMATION ON COMPONENTS

<u>COMPONENTS</u>	<u>TLV</u>	<u>OSHA PEL</u>
Hydrogen Peroxide (CAS # 7722-84-1)	1 p.p.m.	1 p.p.m.
Glycol Ether DPNB (CAS # 29911-28-2)	N/E	N/E

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical Properties: clear solution with mild odor

IMMEDIATE HEALTH EFFECTS

Eyes: Severe eye irritation, watering, redness and swelling of eyelids. Risk of permanent damage.

Skin: Irritation and temporary whitening at contact area; risk of burns.

Inhalation: Inhalation may cause irritation of nose and throat; cough.

Ingestion: If swallowed will cause irritation of gastrointestinal tract..

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.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: No data available.

CARCINOGENIC INFORMATION: None of the ingredients of this material are listed as carcinogens by IARC, NTP, or OSHA.

LONG TERM EFFECTS: No data available.

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SECTION 4 FIRST AID MEASURES

EYES: Flush eyes with running water for at least 15 minutes, while keeping eyelids open. Get medical attention.

SKIN: Flush skin with water for at least 15 minutes. Remove any contaminated clothing. If irritation persists after washing, consult a physician

INHALATION: Remove to fresh air. If respiratory symptoms persist, consult a physician.

INGESTION: Drink 1 to 8 glasses of milk or water to dilute substance. Do not induce vomiting. Consult a physician or local Poison Control Center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT (° Fahrenheit): No flash below boil at 165° F

EXPLOSIVE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

HAZARDOUS PRODUCTS OF COMBUSTION: In the event of fire, the following may be released: oxygen which can intensify the fire.

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

FIRE FIGHTING INSTRUCTIONS: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. (NICS/MSHA APPROVED)

SECTION 6 ACCIDENTAL RELEASE MEASURES

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 7 HANDLING AND STORAGE

HANDLING: Handle and open containers with care.

STORAGE: Store in a cool, well ventilated place away from incompatible materials. **Keep original vented cap on container.**

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection...	None normally needed.
Protective Clothing.....	Gloves Recommended.
Eye Protection.....	Safety Glasses Recommended
Ventilation.....	Normal room ventilation should suffice
Storage.....	Store below 80°F. Store out of reach of Children. Keep original vented cap on container.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, solution/ mild odor

RTU pH: 5.5 to 6.5

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: No data available.

DENSITY: 1.018

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product is Stable under normal conditions.

CONDITIONS TO AVOID: Heat/Sources of heat; Contamination

MATERIALS TO AVOID: Acids; Bases; Metals; combustible organic materials; reducing agents;.

HAZARDOUS DECOMPOSITION: Upon combustion, the following may be produced: Carbon dioxide and/or carbon monoxide, water and oxygen with rapid heat release.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin absorption, eye contact, inhalation, and ingestion.

CARCINOGENICITY: None of the components of this material are listed as carcinogens by IARC, NTP, or OSHA.

TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS: No data available.

CONDITIONS AGGRAVATED BY EXPOSURE: No data available.

SYNERGISTIC MATERIALS: No data available.

Glycol Ether DPNB

Acute Toxicity

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

Hydrogen Peroxide

No LD50/LC50 information found relating to normal routes of occupational exposure.

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SECTION 12 ECOLOGICAL INFORMATION

Glycol Ether DPNB

Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg/L in the most sensitive species tested).

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 disposals must be in accordance with all federal, state and local regulations.**

SECTION 14 TRANSPORT INFORMATION

Ground Transportation: Limited quantity exception applies for inner packaging less than 1.3 gallons. Requires limited quantity label.

Air Transportation: With a vented seal/cap, this item cannot be shipped via air in accordance with CFR 49 173-24(g).

Maritime Transportation: UN2984; Hydrogen Peroxide, Aqueous Solution ; 5.1; PG III. Check regulation for limited quantity exceptions.

SECTION 15 REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: All chemicals used in this product are listed

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