



# SAFETY DATA SHEET

Supersedes Date: 08-May-2017

Revision Date: 08-May-2017

Version: 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Label Name** Encapuclean O2  
**Other means of identification**  
**UPC Code(s)** Not applicable  
**Product code** CC17  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Carpet Cleaning Solution, Encapsulation Cleaner  
**Uses advised against** Follow label instructions. Not recommended for any use except intended use.

### Supplier's details

|  |  |
|--|--|
| <b>Supplier Address</b><br>Bridgepoint Systems<br>4282 South 590 West<br>Salt Lake City, UT 84123<br>USA | <b>Manufacturer Address</b><br>Bridgewater<br>4282 South 590 West<br>Salt Lake City, UT 84123<br>USA |
|--|--|

### Emergency telephone number

|                                       |  |
|---------------------------------------|--|
| <b>Company Phone Number</b>           | 1-800-658-5314   |
| <b>Company Emergency Phone Number</b> | United States: 1-800-535-5053 (INFOTRAC – 24 hours, 7 days a week)<br>International: 1-352-323-3500 (INFOTRAC – 24 hours, 7 days a week) |
| <b>Emergency telephone</b>            | Poison Control 1-800-222-1222 (24 hour)  |

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |            |
|-----------------------------------|------------|
| Acute toxicity - Inhalation       | Category 4 |
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Oxidizing liquids                 | Category 3 |

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### **Warning**

#### **Hazard Statements**

Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May intensify fire; oxidizer

**Appearance** Clear Liquid**Physical state** liquid**Odor** Peroxide**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep away from heat  
 Keep/Store away from clothing/ combustible materials  
 Take any precaution to avoid mixing with combustibles

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information**

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

General Hazards

Keep out of reach of children

Please see Section 11. Toxicological Information for further information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                | CAS-No      | Weight % | Trade Secret |
|------------------------------|-------------|----------|--------------|
| Hydrogen Peroxide            | 7722-84-1   | 8 - 10   | *            |
| Proprietary Polymer          | Proprietary | 1 - 5    | *            |
| Lauramine Oxide              | 1643-20-5   | 1 - 5    | *            |
| ALCOHOLS, C9-11, ETHOXYLATED | 68439-46-3  | 1 - 5    | *            |
| Butoxypropanol               | 5131-66-8   | 1 - 5    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes****General advice**

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

|  |  |
|--|--|
| <b>Eye contact</b>   | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| <b>Skin contact</b>  | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.        |
| <b>Toxic - Inhalation</b>  | Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. If symptoms persist, call a physician.   |
| <b>Ingestion</b>   | Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.   |
| <b>Protection of First-aiders</b>  | Use personal protective equipment.   |
| <b><u>Most important symptoms/effects, acute and delayed</u></b>                                   |  |
| <b>Main Symptoms</b>   | No information available.  |
| <b><u>Indication of immediate medical attention and special treatment needed, if necessary</u></b> |  |
| <b>Notes to physician</b>  | Treat symptomatically.   |

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Use: Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol-resistant foam.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

### **Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Hazardous Combustion Products** No information available.

### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### **Protective Equipment and Precautions for Firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

**Advice for emergency responders** For personal protection see section 8.

### **Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### **Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

### **Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sources of ignition. Keep in properly labeled containers. Keep away from heat.

**Packaging material** Keep product in packaging product is initially sold in.

**Incompatible products** None known based on information supplied.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

#### **Exposure Guidelines**

| Chemical Name                  | ACGIH TLV  | OSHA PEL   | NIOSH IDLH   |
|--------------------------------|------------|--|--|
| Hydrogen Peroxide<br>7722-84-1 | TWA: 1 ppm | TWA: 1 ppm<br>TWA: 1.4 mg/m <sup>3</sup><br>(vacated) TWA: 1 ppm<br>(vacated) TWA: 1.4 mg/m <sup>3</sup> | IDLH: 75 ppm<br>TWA: 1 ppm<br>TWA: 1.4 mg/m <sup>3</sup> |

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### **Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tightly fitting safety goggles. Face-shield.

**Skin and body protection**

Wear protective gloves/ protective clothing. Chemical resistant apron.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**

Provide regular cleaning of equipment, work area and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and chemical properties**

|   |                          |                                |                          |
|---|--------------------------|--------------------------------|--------------------------|
| <b>Physical state</b>                         | liquid                   | <b>Odor</b>                    | Peroxide                 |
| <b>Appearance</b>                             | Clear Liquid             | <b>Odor threshold</b>          | No information available |
| <b>Color</b>                                  | colorless                |                                |                          |
| <b><u>Property</u></b>                        | <b><u>Values</u></b>     | <b><u>Remarks · Method</u></b> |                          |
| <b>pH</b>                                     | 5.5                      |                                |                          |
| <b>Melting point</b>                          | No information available |                                |                          |
| <b>Boiling point/boiling range</b>            | 230 °C / 446 °F          | 230                            |                          |
| <b>Flash Point</b>                            | 115 °C / 240 °F          | Lowest component               |                          |
| <b>Evaporation rate</b>                       | No information available |                                |                          |
| <b>Flammability (solid, gas)</b>              | No information available |                                |                          |
| <b>Flammability Limits in Air</b>             |                          |                                |                          |
| <b>Upper Flammability Limit</b>               | No information available |                                |                          |
| <b>Lower Flammability Limit</b>               | No information available |                                |                          |
| <b>Vapor pressure</b>                         | 17.5                     |                                |                          |
| <b>Vapor density</b>                          | 0.865                    |                                |                          |
| <b>Specific Gravity</b>                       | 1.070                    |                                |                          |
| <b>Water solubility</b>                       | Soluble in water         |                                |                          |
| <b>Solubility in other solvents</b>           | No information available |                                |                          |
| <b>Partition coefficient: n-octanol/water</b> | No information available |                                |                          |
| <b>Autoignition temperature</b>               | 398 °C / 750 °F          |                                |                          |
| <b>Decomposition temperature</b>              | No information available |                                |                          |
| <b>Viscosity, kinematic</b>                   | No information available | 200 cps                        |                          |
| <b>Viscosity, dynamic</b>                     | No information available |                                |                          |
| <b>Explosive properties</b>                   | No information available |                                |                          |
| <b>Oxidizing Properties</b>                   | No information available |                                |                          |

**Other information**

|                           |                          |
|---------------------------|--------------------------|
| <b>Softening point</b>    | No information available |
| <b>Molecular weight</b>   | No information available |
| <b>VOC Content(%)</b>     | No information available |
| <b>Density VALUE</b>      | No information available |
| <b>Bulk Density VALUE</b> | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity****Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization** None under normal processing.

**Conditions to Avoid**  
Heat, flames and sparks.

**Incompatible Materials**  
None known based on information supplied.

**Hazardous Decomposition Products**  
None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

- Toxic - Inhalation** May be harmful if inhaled. Avoid breathing vapors or mists.
- Eye contact** Risk of serious damage to eyes. Avoid contact with eyes.
- Skin contact** Irritating to skin. Avoid contact with skin.
- Ingestion** Do not taste or swallow. Ingestion may cause stomach discomfort. May cause irritation.

| Chemical Name                                 | Oral LD50                                 | Dermal LD50             | Inhalation LC50                  |
|---|---|-------------------------|----------------------------------|
| Hydrogen Peroxide<br>7722-84-1                | = 801 mg/kg ( Rat )                       | = 2000 mg/kg ( Rabbit ) | = 2 g/m <sup>3</sup> ( Rat ) 4 h |
| ALCOHOLS, C9-11,<br>ETHOXYLATED<br>68439-46-3 | = 1400 mg/kg ( Rat ) = 1378 mg/kg ( Rat ) | > 2 g/kg ( Rabbit )     |                                  |
| Butoxypropanol<br>5131-66-8                   | = 1900 mg/kg ( Rat )                      |                         |                                  |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- Skin corrosion/irritation** No information available.
- Eye damage/irritation** No information available.
- Sensitization** No information available.
- Germ Cell Mutagenicity** No information available.
- Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                  | ACGIH | IARC    | NTP | OSHA |
|--------------------------------|-------|---------|-----|------|
| Hydrogen Peroxide<br>7722-84-1 | A3    | Group 3 |     |      |

**ACGIH:** (American Conference of Governmental Industrial Hygienists)  
A3 - Animal Carcinogen

**IARC:** (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

- Reproductive toxicity** No information available.
- Developmental Toxicity** No information available.
- STOT - single exposure** No information available.
- STOT - repeated exposure** No information available.
- Chronic toxicity** Avoid repeated exposure.
- Target Organ Effects** Eyes, Respiratory system, Skin.
- Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |             |
|--------------------------------------|-------------|
| <b>ATEmix (oral)</b>                 | 9268 mg/kg  |
| <b>ATEmix (dermal)</b>               | 12400 mg/kg |
| <b>ATEmix (inhalation-gas)</b>       | 13484 mg/l  |
| <b>ATEmix (inhalation-dust/mist)</b> | 42 mg/l     |
| <b>ATEmix (inhalation-vapor)</b>     | 64 mg/l     |

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

1.34552% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                  | Toxicity to algae | Toxicity to fish   | Toxicity to daphnia and other aquatic invertebrates |
|--------------------------------|-------------------|--|---|
| Hydrogen Peroxide<br>7722-84-1 |                   | 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50 | 18 - 32: 48 h Daphnia magna mg/L EC50 Static        |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                  | California Hazardous Waste Status           |
|--------------------------------|---|
| Hydrogen Peroxide<br>7722-84-1 | Toxic<br>Corrosive<br>Ignitable<br>Reactive |

**14. TRANSPORT INFORMATION**

**DOT**

|  |   |
|--|---|
| <b>UN/ID No</b>                        | UN2984                                  |
| <b>Proper shipping name</b>            | Hydrogen Peroxide, Aqueous Solution     |
| <b>Hazard class</b>                    | 5.1                                     |
| <b>Packing Group</b>                   | III                                     |
| <b>Reportable Quantity (RQ)</b>        | Hydrogen peroxide = 1000lb (conc. >52%) |
| <b>Special Provisions</b>              | A1, IB2, IP5, T4, TP1, TP6, TP24, TP37  |
| <b>Emergency Response Guide Number</b> | 140                                     |

**IMDG – Maritime Transportation**

**UN/ID No** UN2984  
**Proper shipping name** Hydrogen Peroxide, Aqueous Solution  
**Hazard class** 5.1  
**Packing Group** III  
**EmS No.** F-H, S-Q  
**Special Provisions** Check regulations for limited quantity exceptions

**IATA – Air Transportation** Do not ship by air unless within allowed limits

**UN/ID No**  
**Proper shipping name**  
**Hazard class**  
**Packing Group**  
**Special Provisions**

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** No  
**Fire Hazard** Yes  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name                  | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|--------------------------------|--------------------------|------------------------------------|----|
| Hydrogen Peroxide<br>7722-84-1 |                          | 1000 lb                            |    |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                  | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------|------------|---------------|--------------|
| Hydrogen Peroxide<br>7722-84-1 | X          | X             | X            |



**U.S. EPA Label information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

|                    |                        |                       |                          |  |
|--------------------|------------------------|-----------------------|--------------------------|--|
| <b><u>NFPA</u></b> | <b>Health hazard</b> 2 | <b>Flammability</b> 2 | <b>Instability</b> 0     | <b>Physical and chemical hazards</b> - |
| <b><u>HMIS</u></b> | <b>Health hazard</b> 2 | <b>Flammability</b> 2 | <b>Physical Hazard</b> 0 | <b>Personal protection</b> X           |

**Prepared By** Bridgewater  
 Environmental Health & Safety

**Revision Date** 08-May-2017

**Revision Note**  
 No information available

**Disclaimer**

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Bridgewater LLC to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Bridgewater LLC assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

**End of Material Safety Data Sheet**