

# SAFETY DATA SHEET

## ZIPDRI ENCAP TS

### SECTION 1- PRODUCT IDENTIFICATION

**PRODUCT NAME** ZIPDRI ENCAP TS  
**SYNONYMS** Product is a mixture: No synonyms are available  
**PRODUCT USE** PH Neutral Material  
**SUPPLIER** HYDRAMASTER CORP.  
**SUPPLIER'S ADDRESS** 11015 47TH AVE W, MUKILTEO, WA 98275  
(425) 776-7272  
**EMERGENCY RESPONSE PHONE** PERS: 1-800-633-8253

### SECTION 2 – HAZARD IDENTIFICATION

**GHS – US CLASSIFICATION** : No need for classification according to GHS criteria for this product.

**HAZARD PICTOGRAMS** : Not applicable.  
**SIGNAL WORD** : Not applicable.  
**GHS LABEL ELEMENTS** : The product does not require a hazard warning label in accordance with GHS criteria.  
**GHS PHYSICAL HAZARDS** Not applicable.

**CLASSIFICATION SYSTEM** : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.  
**NFPA RATINGS (SCALE 0-4)** : Health = 1, Fire = 0, Reactivity = 0  
**HMIS RATINGS (SCALE 0-5)** : Health = 1, Fire = 0, Reactivity = 0

### SECTION 3 – COMPOSITON/INFORMATION ON INGREDIENTS

**CHEMICAL CHARACTERISTIC** : Mixtures  
**DESCRIPTION** : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Diethylene Glycol Monobutyl Ether	1-5	112-34-5	203-961-6	Eye Irrit Cat 2B
Laurydimethylamine Oxide	1-5	1643-20-5	216-700-6	Not Classified Under GHS
Polymers	10-20	Trade Secret	Trade Secret	Not Classified Under GHS

Irrit = Irritation, Corr = Corrosion, Cat = Category, Dam = Damage, Tox = Toxic, STOT SE = Specific Target Organ Toxicity Single Exposure, Also contains non hazardous biodegradable surfactant(s).

### SECTION 4 – FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

**GENERAL** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible.

**EYE CONTACT** : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. If irritation persists, get immediate medical attention.

**SKIN CONTACT** : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. If irritation occurs, get medical attention.

**SWALLOWING (INGESTION)** : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops.

**INHALATION** : Remove to fresh air. If symptoms persist, get medical attention.

**OTHER INSTRUCTIONS** : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

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### SECTION 5 – FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA** : Dry chemical, foam, water or carbon dioxide.
- SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS** : In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area. Use water spray to cool nearby containers.
- UNUSUAL FIRE AND EXPLOSION HAZARDS** : No further relevant information is available.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES** : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.
- ENVIRONMENTAL PROCEDURES** : Keep spilled material away from sewage/drainage systems and waterways.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP** : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

### SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING** : Use with adequate ventilation. Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.
- CONDITIONS FOR SAFE STORAGE** : Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.



### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- TLV (THRESHOLD LIMIT VALUE)** : The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Diethylene Glycol Monobutyl Ether	Not Established	Not Established	Not Established
Laurydimethylamine Oxide	Not Established	Not Established	Not Established
Polymers	Not Established	Not Established	Not Established

- EYE PROTECTION** : Wear chemical safety glasses or goggles.
- SKIN PROTECTION** : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.
- RESPIRATORY PROTECTION** : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
- VENTILATION** : Ensure adequate ventilation.

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- ADDITIONAL MEASURES** : Emergency eyewash and safety shower facilities should be available in the immediate work area.
- REQUIRED WORK/HYGIENE** : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear light amber liquid with mild odor
- ODOR** : Mild pleasant fragrance.
- ODOR THRESHOLD** : Not available
- PH** :  $7.5 \pm 0.5$  AS IS
- MELTING POINT/FREEZING POINT** : Not available
- BOILING POINT** : Approx. 212° F.
- FLASH POINT** : Non flammable, non combustible
- EVAPORATION RATE** : Not available
- FLAMMABILITY** : Non flammable-Non combustible
- LOWER FLAMMABILITY LIMIT** : Not available
- UPPER FLAMMABILITY LIMIT** : Not available
- VAPOR PRESSURE** : Not available
- VAPOR DENSITY (AIR=1)** : Not available
- RELATIVE DENSITY** : 1.02
- SOLUBILITY IN WATER** : Soluble in water
- PARTITION COEFFICIENT n-OCTANOL/WATER** : Not available
- AUTOIGNITION TEMPERATURE** : Not available
- DECOMPOSITION TEMPERATURE** : Not available

### SECTION 10 – STABILITY AND REACTIVITY

- STABILITY** : Stable under recommended storage conditions.
- HAZARDOUS CONDITIONS TO AVOID** : No decomposition if used according to specifications
- INCOMPATIBLE MATERIALS** : Keep away from strong acids.
- HAZARDOUS DECOMPOSITION PRODUCTS** : No dangerous decomposition products known.

### SECTION 11 – TOXICOLOGICAL INFORMATION

- TOXICOLOGICAL INFORMATION** : **Diethylene Glycol Monobutyl Ether**
- ACUTE TOXICITY** : Oral LD50 Oral (rat): 5560 mg/kg. LC50 dermal and inhalation: Not listed.
- CHRONIC EFFECTS** : Prolonged absorption causes liver and kidney damage, and red cell haemolysis (blood in urine) in laboratory animals; no such effects have been seen in humans
- SENSITISATION** : Not a sensitizer.
- CARCINOGENICITY** : No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.
- TOXICOLOGICAL INFORMATION** : **Lauryldimethylamine Oxide**
- ACUTE TOXICITY** : LD50 Oral (Rat): >2000mg/kg, Skin (rabbit): Moderate to severe irritant, Eyes (rabbit): Severe irritant.
- FURTHER INFORMATION** : Information given is based on data on the components and the toxicology of similar

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products. No data is available on the product itself.

### SECTION 12 – ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION</b>	: <b>Diethylene Glycol Monobutyl Ether</b>
<b>ECOTOXICITY</b>	: This product cannot accumulate in living tissue; diluted, this product is readily and rapidly in a wastewater treatment facility; in BOD test, 88% degraded in 28 says; half-life in air estimated as 10 hours.
<b>PERSISTENCE AND DEGRADABILITY</b>	: No data available.
<b>ECOLOGICAL INFORMATION</b>	: <b>Lauryldimethylamine Oxide</b>
<b>ECOTOXICITY (Aquatic Toxicity):</b>	: LC50 Species: Brachydanio rerio (zebra fish) Concentration: 10,00 - 100,00 mg/l Exposure time: 96 h.
<b>TOXICITY TO DAPHNIA / AQUATIC INVERTEBRATES</b>	: Immobilization EC50 Species: Daphnia magna (Water flea) Concentration: 4,40 mg/l Exposure time: 48 h.
<b>BIODEGRADATION</b>	: This material is subject to biodegradation.
<b>PERSISTENCE</b>	: This material is believed to persist in the environment.
<b>BIOCONCENTRATION</b>	: This material is not expected to bio-concentrate in organisms.

### SECTION 13 – DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL</b>	: This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.
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### SECTION 14 – TRANSPORTATION INFORMATION

<b>DOT/IMDG/ IATA PROPER SHIPPING NAME</b>	: Not Hazardous
<b>HAZARD CLASS AND LABEL</b>	: Not Applicable.
<b>UN NUMBER</b>	: Not Applicable.
<b>PACKAGING GROUP</b>	: Not Applicable.
<b>EPA REPORTABLE QUANTITY (RQ)</b>	: Not Applicable.
<b>MARINE POLLUTANT</b>	: Not listed.
<b>EMERGENCY RESPONSE GUIDE</b>	: Not Applicable.

### SECTION 15 – REGULATORY INFORMATION

**U.N. GHS CLASSIFICATION & LABELING INFORMATION:** See Section 2 for GHS Hazard Information

**U.S. FEDERAL REGULATORY INFORMATION:**

<b>LISTED CARCINOGEN</b>	: Not listed.
<b>TSCA STATUS</b>	: The ingredients of this product are listed in TSCA inventory (40CFR 710.)
<b>SARA SECTION 302</b>	: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA SECTION 312</b>	: Chronic health hazard (Glycol Ether DPM).
<b>SARA SECTION 313</b>	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III,

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Section 313.

NFPA HEALTH : 1  
NFPA FLAMMABILITY : 0  
NFPA REACTIVITY : 0

### EUROPEAN UNION REGULATORY INFORMATION:

EC CLASSIFICATION : Non Hazardous  
DSD/DPD RISK (R) PHRASES : R22: Harmful if swallowed.  
R36: Irritating to the eyes.  
DSD/DPD SAFETY (S) PHRASES : S1/2: Keep locked up and out of reach of children.  
S24/25: Avoid contact with eyes and skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36: Wear suitable protective eye protection.  
S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.  
S61: Avoid release to the environment.  
S62: If swallowed, do not induce vomiting.  
S64: If swallowed, rinse mouth with water if victim is conscious.

DSD/DPD HAZARD SYMBOL : Not Classified

### CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY : D2B: Materials that cause other toxic effects (TOXIC).  
DOMESTIC SUBSTANCES LIST (DSL) : Listed  
INGREDIENT DISCLOSURE LIST : Listed



### SECTION 16 – OTHER INFORMATION

**DISCLAIMER** : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramaster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

**CERCLA** : Comprehensive Environmental Response, Compensation, and Liability Act.  
**EINECS** : European Inventory of Existing Commercial Chemical Substances  
**IMDG** : International Maritime Code for Dangerous Goods  
**IARC** : International Agency for Research on Cancer  
**IATA** : International Air Transportation Association  
**ACGIH** : American Conference of Governmental Industrial Hygienists  
**NFPA** : National Fire Protection Association (USA)  
**NTP** : National Toxicology Program  
**SARA** : Superfund Amendments and Reauthorization Act  
**TSCA** : Toxic Substances Control Act  
**HMIS** : Hazardous Materials Identification System (USA)  
**WHMIS** : Workplace Hazardous Materials Information System  
**LC50** : Lethal concentration, 50 percent  
**LD50** : Lethal dose, 50 percent  
**STOT** : Systemic Target Organ Toxicity

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