



**zymöl enterprises, inc.**  
191 Champion Drive  
Brooksville, FL 34601

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Zymöl HD-Cleanse
PRODUCT CODE	CS201
CHEMICAL FAMILY	Mixture: Water, Soap,
CHEMICAL NAME	Additives None
FORMULA	Mixture

#### **MANUFACTURER**

Zymöl Enterprises Inc.  
191 Champion Drive  
Brooksville, FL 34601  
Phone: 1(352) 540-9085

#### **EMERGENCY TELEPHONE NUMBERS**

Transportation:  
CHEMTREC: 800-424-9300  
Medical:  
Contact your local Poison Control Center

### 2. POSITION/INFORMATION ON INGREDIENTS

<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>CONCENTRATION (wt %)</b>
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**EXPOSURE LIMITS 8 hrs. TWA(ppm)**

OSHA PEL  
n/av

ACGIH TLV  
n/av

**CARCINOGEN**  
(OSHAS, NPT, IARC)  
n/av

### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**INHALATION:** Slight drowsiness in high concentrations

**INGESTION:** May cause digestive system upsets or nausea

**SKIN CONTACT:** Slight skin irritant

**EYE CONTACT:** Slight to moderate irritant

**4. FIRST AID MEASURES**

**EYE:** Flush with water for 15 minutes.

**SKIN:** Flush thoroughly with soapy water

**INHALATION:** Remove person to fresh air

**INGESTION:** Rinse mouth immediately. Consume water and vinegar to dilute. Contact poison control center.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT:** (Open Cup): 200°F Explosive Limits: Lower: n/av Upper: n/av

**EXTINGUISHING MEDIA:** Use water spray, dry chemical or carbon dioxide for surrounding material.

**SPECIAL FIRE FIGHTING PROCEDURES:** None, will not support combustion.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL OR LEAK PROCEDURES:** Keep away from ignition sources, Avoid rinsing into waterways. Absorb with clay or similar material.

**7. HANDLING AND STORAGE**

**STORAGE TEMPERATURE (MIN./MAX.):** 33 degrees F / 100 degrees F

**SHELF LIFE:** 18 – 24 months if sealed in original container

**SPECIAL SENSITIVITY:** Avoid strong oxidizing agents

**HANDLING AND STORAGE PRECAUTIONS:** Avoid prolonged contact with skin and clothing. Wash after use.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EYE PROTECTION REQUIREMENTS:** Safety glasses if needed.

**SKIN PROTECTION REQUIREMENTS:** Rubber or neoprene if needed

**RESPIRATOR/VENTILATION PROTECTION REQUIREMENTS:** Use NIOSH approved organic vapor cartridge if needed.

**INGESTION PROTECTION REQUIREMENTS:** Avoid swallowing

**EXPOSURE LIMITS:** Avoid saturated clothing

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL FORM:** Liquid

**COLOR:** Dk. Beige

**ODOR:** sweet odor

**BOILING POINT:** 200° (F)

**MELT / FREEZE POINT:** N/A

**PH:** 6.5 – 7.5

**SOLUBILITY IN WATER:** Soluble

**SPECIFIC GRAVITY:** 1

**% NON-VOLATILE BY WEIGHT:** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** negligible

10. **REACTIVITY**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** None under normal processing.

**INCOMPATIBILITIES:** Keep away from flame and severe heat. Avoid strong oxidizing agents.

**DECOMPOSITION PRODUCTS:** Carbon Monoxide

11. **TOXICOLOGICAL INFORMATION**

**ACUTE INHALATION:** N/A

**CHRONIC INHALATION:** N/A

**ACUTE SKIN CONTACT:** Prolonged or repeated exposure may lead to dermatitis.

**CHRONIC SKIN CONTACT:** N/A

**ACUTE EYE CONTACT:** Can cause irritation, redness, tearing or blurred vision

12. **ECOLOGICAL INFORMATION** There is no information available at this time. A major spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown certain bacteria and fungi have the ability to degrade terpenes decreasing their toxicity to fish.

13. **DISPOSAL CONSIDERATIONS**

**RCRA HAZARDOUS WASTE:** Not classified as a hazardous waste.

**WASTE DISPOSAL METHOD:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14. **TRANSPORT INFORMATION**

**DOT INFORMATION:** Not regulated as a hazardous material

**PROPER SHIPPING NAME:** Non Bulk Not regulated  
Bulk Not Regulated

**TECHNICAL SHIPPING NAME:** None

**HAZARD CLASS:** Non Bulk None  
Bulk None

**UN NUMBER:** None

**PRODUCT RQ (lbs):** None

**LABEL:** Non Bulk Not Required  
Bulk Not Required

**PLACARD:** Non Bulk None  
Bulk None

**FREIGHT CLASS BULK:** None

**FREIGHT CLASS PACKAGE:** None

**PRODUCT LABEL** None

15. **REGULATORY INFORMATION**

**TSCA STATUS:** All ingredients listed

**CERCLA REPORTABLE QUANTITY:** None

**SARA TITLE III:**

**SECTION 302 EXTREMELY  
HAZARDOUS SUBSTANCES** None

**SECTION 311/312  
HAZARD CATEGORIES**

Acute Health	No
Chronic Health	No
Fire	No
Reactive	No
Sudden Release of Pressure	No

**SECTION 313**  
**CHEMICAL NAME                      CAS NUMBER                      CONCENTRATION**

**RCRA STATUS:** Not a RCRA hazardous waste

**CANADIAN STATUS:** All materials contained in this product are listed on the Canadian Domestic Substances List (DSL).

**EUROPEAN UNION:** All materials contained in this product are listed on EINECS

**STATE REGULATORY INFORMATION**

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**COMPONENT/**

**CAS NUMBER**

None

**CONCENTRATION**

n/ap

**STATE CODE**

none

**16. OTHER INFORMATION**

**HMIS CLASSIFICATION**

Health 1

Flammability 1

Reactivity 0

PPI B

**NFPA RATING**

Health 1

Fire 1

Reactivity 0

Special None

**REASON FOR ISSUE**

Technical Shipping Name Change

**PREPARED BY**

Charles Bennett

**TITLE**

CEO

**APPROVAL DATE**

February 4, 2014

**SUPERCEDES DATE**

March 1991

**REVISION NUMBER**

1.4

This information is to the best of Zymöl Enterprises Inc.'s knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.