



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

## **SAFETY DATA SHEET**

### **1. Product and Company Identification**

#### **1.1 Product Identifier**

Product Name: Zymöl Volvo Wax  
Product Code : CS105

#### **1.2 Relevant Identified Uses Of The Substance**

Product Use: Automotive Wax, Glaze

#### **1.3 Details of the Supplier of the SDS**

Company Name: Zymöl Enterprises, Inc.  
Street Address: 190 Champion Drive  
City, State, Zip Code: Brooksville, FL 34601

#### **1.4 Emergency Telephone Numbers**

Phone Number: 1(800) 999-5563  
Fax Number:  
Transportation: 1(800) 424-9300 (CHEMTREC) Call  
Medical Assistance: your local Poison Control Center

### **2. Hazard Identification:**

#### **2.1 Classification of the Substance or Mixture**

Hazard Classification: not classified

#### **2.2 Label Elements**

Pictogram: not required

Signal Word: none

Hazard Statement: none

Precautionary Statement: none

#### **2.3 Other Hazards**

Description of additional HNOC: none

### **3. Information on Ingredients:**

#### **3.1 Component**

#### **3.2 Mixture**

<b><u>Component</u></b>	<b><u>CAS Number</u></b>	<b><u>Concentration (wt%)</u></b>
Orange Terpenes	8028-48-6	12-15%
Natural Waxes	Proprietary	33-70%

#### 4. First Aid Measures:

##### 4.1 Description of First Aid Measures

**Inhalation:** Remove to fresh air and promote deep breathing. Get medical attention if effects persist.

**Skin:** In case of skin contact, wash thoroughly with soap and water. If irritation persists, get medical attention.

**Eyes:** In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses if worn. If irritation persists, get medical attention.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Give water to drink if conscious. Get medical attention if effects persist.

##### 4.2 Most important symptoms and effects – acute and chronic

**Inhalation:** May cause respiratory tract irritation.

**Skin:** May cause skin irritation. May cause drying, cracking, or mild dermatitis.

**Eyes:** May cause temporary eye irritation.

**Ingestion:** May cause stomach distress, nausea, and vomiting.

##### 4.3 Indication of any immediate medical attention and special treatment

Symptoms may not appear immediately. Seek medical attention promptly if effects persist and you feel unwell.

#### 5. Fire Fighting Measures:

##### 5.1 Extinguishing media

Water spray, carbon dioxide, dry chemical, and alcohol foam

##### a. Special hazards arising from the substance or mixture

CO<sub>2</sub>, CO, and hydrocarbons

##### 5.3 Advice for Fire Fighters

Keep up wind of fire. Wear full firefighting turn out gear (full bunker gear) and respiratory protection (SCBA). See Section 8 for personal protection.

#### 6. Accidental Release Measures:

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

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

##### a. Methods and materials for containment and clean up

**For containment:** Contain and absorb spill with inert material. Place in suitable container for disposal. Use personal protective equipment (PPE).

**For clean up:** Take up material and place in a suitable container. Provide adequate ventilation. Spilled material may be slippery.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not swallow. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

### 7.2 Conditions for safe storage including incompatibilities

Keep out of reach of children. Keep container tightly closed. Store in a well ventilated place. Keep from freezing and do not store above 49°C (120°F).

### 7.3 Specific end uses

**Shelf Life:** Shelf life is considered to be 7 – 10 years when properly stored and kept closed.

## 8. Exposure Control/Personal Protection:

### 8.1 Control parameters

<u>Exposure Limits</u> <u>8 hr TWA:</u>	<u>(OSHA PEL)</u>	<u>(ACGIH TWA)</u>
Orange Terpinen	980 mg/m <sup>3</sup> 4	200 ppm

\*USA Workplace Environmental Exposure Levels (WEEL)

### 8.2 Exposure controls

Use adequate ventilation to keep exposure below recommended limits. Ensure that eye wash station and safety shower are close to work station.

**Hand Protection Equipment:** Wear chemical resistant gloves and clothing to prevent skin contact.

**Eye Protection Equipment:** Wear safety glasses or splash goggles to prevent eye contact.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiration/Ventilation Protection Requirements:** Provide good ventilation.

**Ingestion Protection Requirements:** Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

## 9. Physical And Chemical Properties:

### 9.1 Information of basic chemical and physical properties

<b>Physical Form:</b>	thick paste
<b>Color:</b>	hazy blue
<b>Odor:</b>	fruity/coconut
<b>Odor Threshold:</b>	not available
<b>pH:</b>	7.0
<b>Melting Point/Freeze Point:</b>	0°C (32°F)
<b>Initial Boiling Point:</b>	100°C (212°F)
<b>Flash Point (Seta Closed Cup):</b>	>93°C (200°F)
<b>Flammability Limits:</b>	<b>Upper:</b> not available <b>Lower:</b> not available
<b>Evaporation Rate:</b>	not available
<b>Flammability Solid/Gas:</b>	not applicable
<b>Vapor Pressure:</b>	not available
<b>Vapor Density:</b>	not available
<b>Specific Gravity:</b>	1.000
<b>Solubility in Water:</b>	not dispersible

**Auto Ignition Temperature:** not available  
**Partition coefficient (n/octanol/water):** not available  
**Viscosity:** thick paste

## 9.2 Other information

**% NVM by Weight:** 2.5%  
**% VOC Content (California):** 1.0%

## 10. Stability and Reactivity:

### 10.1 Reactivity

Does not react under normal conditions

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

Does not react under normal conditions

### 10.4 Conditions to avoid

Heat and incompatible materials

### 10.5 Incompatible materials

Strong oxidizers such as bleach and peroxides

### 10.6 Hazardous decomposition products

CO<sub>2</sub>, CO and hydrocarbons

## 11. Toxicological Information:

### 11.1 on Toxicological effects

#### Zymöl Volvo Wax (CS105)

LD50 – Oral Rat >2000 mg/Kg  
LD50 – Dermal Rabbit >2000 mg/Kg  
LC50 – Inhalation Rat >20 mg/L (4 hr)

#### Orange Terpenes (8028-48-6)

LD50 – Oral Rat 4396 mg/Kg  
LD50 – Dermal Rabbit 12800 mg/Kg  
LC50 – Inhalation Rat 72.6 mg/L(4hr)

Skin corrosion/irritation	Based on available data, classification data are not met
Serious eye damage/irritation	Based on available data, classification data are not met
Respiratory or skin sensitization	Based on available data, classification data are not met
Germ cell mutagenicity	Based on available data, classification data are not met
Carcinogenicity	Based on available data, classification data are not met

Reproductive toxicity	Based on available data, classification data are not met
Specific target organs – single exposure	Based on available data, classification data are not met



## 15. Regulatory Information:

### 15.1 US Federal Regulations

**TSCA Status:** All ingredients are commercially available and listed by the manufacturer under TSCA.

### 15.2 Foreign Regulations

**Canadian Status:** All materials contained in this product are listed on the Canadian Domestic Substance List (DSL). Consult Zymöl Enterprises, Inc. regarding status of ingredients.

**European Union:** All materials contained in this product are listed on EINECS.

**AICS:** All materials are registered for AICS (Australia)

### 15.3 State Regulations

#### State Regulatory Information:

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

#### California Prop 65:

<u>CAS Number</u>	<u>Concentration</u>	<u>State Code</u>
None		

### 15.4 HIMS & NFPA Classifications

HIMS Classification:	Health	1
	Flammability	1
	Reactivity	0
NFPA Classification:	Health	1
	Flammability	1
	Reactivity	0

## 16. Other Information:

<b>Reason For Issue</b>	Conversion to OSHA GHS SDS Format
<b>Prepared By</b>	J. Foschini
<b>Preparer's Title</b>	Technical Manager, R&D, Production
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