



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

SAFETY DATA SHEET

1. Product and Company Identification

1.1 Product Identifier

Product Name: Zymöl Seal
Product Code: CS803

1.2 Relevant Identified Uses Of The Substance

Product Use: Automotive Seal Protectant, Sealant & 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 Component

CAS Number

Concentration (wt%)

Natural Oils	proprietary	>80%
Copaiba Oil	8001-61-4	1-5%
Isopropyl Alcohol	67-63-0	.05 – 1.5%

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

CO₂, 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>
Isopropyl Alcohol		980 mg/m ³	200 ppm
		400 ppm	400 ppm (STEL)
Copaiba		10 mg/m ³ (Mist)*	10 mg/m ³ (Mist)*

*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

Physical Form:	thick liquid
Color:	translucent/clear to hazy/white
Odor:	coconut
Odor Threshold:	not available
pH:	5.0
Melting Point/Freeze Point:	0°C (32°F) – Based on Water
Initial Boiling Point:	100°C (212°F) – Based on Water
Flash Point (Seta Closed Cup):	>93°C (200°F)
Flammability Limits:	Upper: not available Lower: not available
Evaporation Rate:	not available
Flammability Solid/Gas:	not applicable
Vapor Pressure:	not available
Vapor Density:	not available
Specific Gravity:	1.000
Solubility in Water:	dispersible

Auto Ignition Temperature:	not available
Partition coefficient (n/octonol/water):	not available
Viscosity:	thick liquid

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

CO₂, CO and hydrocarbons

11. Toxicological Information:

11.1 on Toxicological effects

Zymöl Seal (CS803)

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

Isopropyl alcohol (67-63-0)

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

Copaiba Oil (8001-61-4)

LD50 – Oral Rat	>5000 mg/Kg
LD50 – Dermal Rabbit	>2000 mg/Kg

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

Isopropyl alcohol (67-63-0)	IARC Group 3
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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:

Reason For Issue	Conversion to OSHA GHS SDS Format
Prepared By	J. Foschini
Preparer's Title	Technical Manager, R&D, Production
Approval Date	June 1, 2015
Supersedes Date	February 4, 2014
Revision Number	A -1

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