



**Owensboro Specialty Polymers, Inc.**  
Chemistry that Connects, People that Care

## Material Safety Data Sheet

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**SERFENE DL-96**

Revision Date: 02/11/14

**Supplier** Owensboro Specialty Polymers, Inc.  
5529 US 60 East  
Owensboro, KY 42303  
USA

**For non-emergency information contact:** 1-270-663-1411  
info@onssp.com

**Emergency telephone number**  
CHEMTREC 1-800-424-9300

**Local emergency telephone number**  
1-270-663-1411 M-F 8AM-4PM (CDT)  
1-270-663-1454

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Component	CAS-No.	Concentration
Water	7732-18-5	70.0 - 72.0 %
Wax blend	Not Hazardous	25.0 - 27.0 %
Anionic surfactant	Trade Secret	3.0 - 5.0 %
Formaldehyde	50-00-0	< 0.1 %

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### 3. HAZARDS IDENTIFICATION

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#### Emergency Overview

#### Appearance

Form liquid  
Colour Off-white to tan  
Odour Mild odor

**Hazard Summary****CAUTION!**

MAY CAUSE EYE AND SKIN IRRITATION.  
REPEATED OR PROLONGED EXPOSURE CAN CAUSE  
IRRITATION OF THE NOSE, THROAT, AND LUNGS.

**Potential Health Effects****Primary Routes of Entry:**

Inhalation  
Eye contact  
Skin contact

**Eyes:** Direct contact with material can cause the following:  
slight irritation

**Skin:** Prolonged or repeated skin contact can cause the following:  
slight irritation

**Inhalation:** Inhalation of vapor or mist can cause the following:  
irritation of nose, throat, and lungs

**Carcinogenicity**

**Component**  
**Formaldehyde**  
**Formaldehyde**  
**Formaldehyde**

**List**  
IARC  
US NTP  
ACGIH

**Classification**  
Human carcinogen.  
Known to be human carcinogen  
A2: Suspected human carcinogen

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**4. FIRST AID MEASURES**

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**Inhalation:** Move to fresh air.

**Skin contact:** Wash with water and soap as a precaution. If symptoms persist, call a physician.

**Eye contact:** Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.

**Ingestion:** Drink water as a precaution. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position.

**Notes to physician:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

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**5. FIREFIGHTING MEASURES**

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**Flash point** > 100 °C ( > 212.00 °F ) estimated

**Lower explosion limit** no data available

**Lower explosion limit** no data available

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Thermal decomposition** Heating or fire conditions liberates toxic gas., To avoid thermal decomposition, do not overheat.

**Specific hazards during firefighting:** Do not allow run-off from fire fighting to enter drains or water courses.

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

**Further information:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Ventilate the area.

Refer to protective measures listed in sections 7 and 8.

### Environmental precautions

Try to prevent the material from entering drains or water courses.

Do not contaminate surface water.

### Methods for cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

## 7. HANDLING AND STORAGE

### Handling

No special handling advice required. For personal protection see section 8. In case of insufficient ventilation, wear suitable respiratory equipment.

### Storage

**Storage conditions:** Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit(s)

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value
Formaldehyde	ACGIH	C	0.3 ppm
Formaldehyde	OSHA P1		
Formaldehyde	OSHA Z2		
Formaldehyde	OSHA P0		
Formaldehyde	NIOSH REL	TWA	0.016 ppm
Formaldehyde	NIOSH REL	C	0.1 ppm
Formaldehyde	NIOSH REL	TWA	0.016 ppm,
			Formaldehyde
Formaldehyde	NIOSH REL	C	0.1 ppm,
			Formaldehyde

**Exposure controls**

**Hygiene measures:** General industrial hygiene practice.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

**Individual protection measures**

**Eye/face protection:** Safety glasses

**Skin protection**

**Hand protection:** Protective gloves

**Respiratory protection:** In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance**

<b>Form</b>	liquid
<b>Colour</b>	Off-white to tan
<b>Odour</b>	Mild odor
<b>pH</b>	4.0 - 6.0
<b>Melting point/range</b>	no data available
<b>Boiling point/boiling range</b>	100 °C ( 212.00 °F) Similar to water
<b>Flash point</b>	> 100 °C ( > 212.00 °F) estimated
<b>Evaporation rate</b>	1.00 Water
<b>Lower explosion limit</b>	no data available
<b>Lower explosion limit</b>	no data available

**Relative vapor density**

<b>Relative density</b>	1.00
<b>Water solubility</b>	Moderately soluble

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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**10. STABILITY AND REACTIVITY**

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**Hazardous decomposition products**                      Stable under recommended storage conditions.,

**polymerisation**                      Product will not undergo polymerization.

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## 11. TOXICOLOGICAL INFORMATION

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*Toxicological information on this product or its components appear in this section when such data is available.*

Component: **Formaldehyde**

**Acute oral toxicity** LD50 rat 675 mg/kg

Component: **Formaldehyde**

**Acute inhalation toxicity** LC50 rat 4 Hour 0.578 mg/l Vapor

Component: **Formaldehyde**

**Acute dermal toxicity** LD50 rabbit 270 mg/kg

Component: **Formaldehyde**

**Skin irritation** rabbit Causes burns.

Component: **Formaldehyde**

**Eye irritation** rabbit Risk of serious damage to eyes.

Component: **Formaldehyde**

**Sensitisation** guinea pig Skin sensitiser

Component: **Formaldehyde**

**Carcinogenicity:** Known carcinogen.

Component: **Formaldehyde**

**Mutagenicity**

In vitro studies showed both positive and negative effects Animal testing did not show any mutagenic effects.

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## 12. ECOLOGICAL INFORMATION

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*Ecotoxicological information on this product or its components appear in this section when such data is available.*

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Formaldehyde**

**Elimination information (persistence and degradability)**

**Biodegradability** aerobic OECD Test Guideline 301D or Equivalent  
90 %  
Readily biodegradable

**Ecotoxicity effects**

**Toxicity to fish** flow-through test LC50 Bluegill sunfish (*Lepomis macrochirus*) 96 Hour  
50 mg/l

**Toxicity to fish** static test LC50 Fish 96 Hour  
6.7 mg/l

<b>Toxicity to algae</b>	Growth rate EC50 <i>Scenedesmus quadricauda</i> (Green algae) 24 Hour Method Not Specified 14.7 mg/l
<b>Toxicity to aquatic invertebrates</b>	flow-through test EC50 <i>Daphnia magna</i> 48 Hour OECD Test Guideline 202 29 mg/l
<b>Toxicity to aquatic invertebrates</b>	static test EC50 <i>Daphnia pulex</i> (Water flea) 48 Hour OECD Test Guideline 202 or Equivalent 5.8 mg/l

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### 13. DISPOSAL CONSIDERATIONS

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**Environmental precautions:** Try to prevent the material from entering drains or water courses. Do not contaminate surface water.

#### Disposal

**Waste Classification:** When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

Do not dispose of waste into sewer. For disposal, incinerate this material at a facility that complies with local, state, and federal regulations.

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### 14. TRANSPORT INFORMATION

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#### DOT

Not regulated for transport

#### Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

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### 15. REGULATORY INFORMATION

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#### Workplace Classification

OSHA: This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

WHMIS: This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**SARA TITLE III: Section 311/312 Categorizations (40CFR370):** This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

**SARA TITLE III: Section 313 Information (40CFR372)**

SARA 313: 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, Section 313.

**CERCLA Information (40CFR302.4)**

See Section 13, Disposal Considerations, Subsection Disposal, for CERCLA classification. Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**United States TSCA Inventory (US.TSCA):** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Pennsylvania**

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

**California (Proposition 65)**

This product contains trace levels of a component or components known to the state of California to cause cancer:

Components:	Dioxane	123-91-1
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**California (Proposition 65)**

This product contains a component or components known to the state of California to cause cancer:

Components:	Formaldehyde	50-00-0
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**California (Proposition 65)**

This product contains trace levels of a component or components known to the state of California to cause birth defects or other reproductive harm:

Components:	Methanol	67-56-1
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## 16. OTHER INFORMATION

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Please contact us at [info@onssp.com](mailto:info@onssp.com) to request additional information on this product, if required.

**HMIS Hazard Rating**

Health	Flammability	Physical Hazard
1	1	0

**Legend**

ACGIH	American Conference of Governmental Industrial Hygienists
BAC	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
	Bar denotes a revision from prior MSDS.

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Version: 0