

Revision Date 22-Feb-2022

Revision Number 2

## 1. IDENTIFICATION

### Product identifier

**Product Name** OXITIVE 8201

**Other means of identification** Not available

### Recommended use of the chemical and restrictions on use

**Recommended Use** Industrial use

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

OXITENO USA, LLC  
3200 Southwest Freeway  
Suite 1200  
Houston, TX 77027

### Emergency telephone number

**Company Phone Number** (346) 718-6200

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Labeling elements

None needed according to classification criteria

### Other hazards which do not result in classification

Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

### Hazards not otherwise classified (HNOC)

Not applicable.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Chemical name	CAS No	Weight-%	Trade secret
Poly(oxy-1,2-ethanediyl), α-[2,4,6-tris(1-phenylethyl)phenyl]-ω- hydroxy-	70559-25-0	45 - 70	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash with plenty of water. Remove contaminated clothing and shoes.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** See Section 11 for additional Toxicological Information.

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

**Note to physicians** No specific antidote is known. Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	In case of fire: use water spray, alcohol-resistant foam, carbon dioxide, dry powder.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Not flammable.
<b>Hazardous combustion products</b>	In case of combustion, may generate carbon monoxide and carbon dioxide.
<b>Special protective equipment</b>	for Firefighters should wear self-contained breathing apparatus and full firefighting turnout

**fire-fighters** gear. Use personal protection equipment. Cool intact containers exposed to fire with water spray and remove them.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Isolate and signal the area.  
Keep away from heat/ignition sources.  
Use personal protective equipment as required.  
See section 8 for more information.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions** Prevent the product from reaching the soil and water courses.  
Notify the competent authorities if the product reaches drainage systems or water courses or if it contaminates the soil or vegetation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.  
Stop leak if you can do it without risk.  
Contain the spilled product with earth or sand dikes.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.  
Wash the contaminated surface with water, which should be collected for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.  
Use in a well-ventilated area.  
Avoid inhalation and contact with eyes, skin or clothing through proper protection.  
If accidental contact occurs, wash immediately.  
Wash hands and face thoroughly after handling.  
Wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Protect from sunlight. Store in a well-ventilated place.  
Ensure suitable conditions of temperature, pressure and humidity.  
Keep container tightly closed when not in use.

**Packaging materials** No information available.

**Incompatible materials** Avoid contact with: Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** PVC (Polyvinyl Chloride) gloves.

**Skin and body protection** PVC apron. Protective shoes or boots.

**Respiratory protection** In case of emergency or contact with high concentrations of the product, use autonomous masks or with supplied air.  
It is recommended to wear face mask with organic vapors cartridge in case of exposure to vapors/aerosols.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

**Physical state** Liquid @25 °C / 77 °F  
**Color** Yellowish  
**Odor** No information available  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6 - 9	1% aqueous (25 °C / 77 °F)
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point or initial boiling point and boiling range</b>	ca. 288 °C / 550 °F	
<b>Flash point</b>	190 °C / 374 °F	open cup
<b>Evaporation rate</b>	No data available	
<b>Flammability</b>	No data available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No data available	
<b>Lower flammability limit:</b>	No data available	
<b>Vapor pressure</b>	No data available	
<b>Relative vapor density</b>	> 1	
<b>Density and/or relative density</b>	1.1 g/cm <sup>3</sup>	@25 °C / 77 °F (20 °C / 68 °F for 1 hour, 0.5% concentration)
<b>Water solubility</b>	Soluble	
<b>Solubility in other solvents</b>	No data available	
<b>Partition Coefficient (n-octanol/water)</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
 <b>Particle characteristics</b>	 No information available	

**Other Information**

Molecular weight	No information available
VOC Content (%)	No information available
Bulk density	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No hazardous reactivity is expected.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Exposure to air or moisture over prolonged periods.
<b>Incompatible materials</b>	Avoid contact with: Strong oxidizing agents.
<b>Hazardous decomposition products</b>	In case of combustion, may generate carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Vapors from liquid at elevated temperatures or product mist, in high concentrations, may cause irritation of the respiratory system.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Mild eye irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause mild skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	No information available.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Acute toxicity</b>	No information available.
<b>Skin corrosion/irritation</b>	Mild Irritant. (rabbit, patch test).
<b>Serious eye damage/eye irritation</b>	Mild Irritant. (rabbit, Draize test).
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	Based on available data, it is not likely to be mutagenic.

<b>Carcinogenicity</b>	The product does not contain any component present at concentration greater than or equal to 0.1% listed as carcinogen/possibly carcinogen for NTP, IARC and OSHA.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	In subchronic toxicity studies, minimal primary effects were observed in kidneys and thyroid in rats and liver in dogs. NOEL: 30 mg/kg/day. NOAEL: 100 mg/kg/day.
<b>Aspiration hazard</b>	It is not expected to be hazardous by aspiration.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Poly(oxy-1,2-ethane diyl), α-[2,4,6-tris(1-ph enylethyl)phenyl]-ω- hydroxy- 70559-25-0	-	LC50, 96h, Brachydanio rerio: 10 - 100 mg/L.	-

<b>Persistence and degradability</b>	Not readily biodegradable.
<b>Bioaccumulative potential</b>	It is not expected to bioaccumulate in the environment.
<b>Mobility in soil</b>	No information available.
<b>Other adverse effects</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	All components contained in this product are listed on the Active TSCA inventory or are Exempt
<b>DSL</b>	Not Listed
<b>NDSL</b>	Listed
<b>Global Inventories</b>	Contact supplier for inventory compliance status

### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Benzene, ethenyl 100-42-5	1000 lb	-	-	X

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	TPQ
Benzene, ethenyl 100-42-5	1000 lb	-	-
1,4-Dioxane 123-91-1	100 lb	-	-
Ethylene oxide 75-21-8	10 lb	10 lb	1000 lb

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Benzene, ethenyl - 100-42-5	Carcinogen
1,4-Dioxane - 123-91-1	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental Toxicity Female Reproductive Toxicity Male Reproductive Toxicity

**U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Benzene, ethenyl 100-42-5	X	X	X
1,4-Dioxane 123-91-1	X	X	X
Ethylene oxide 75-21-8	X	X	X

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA</u>	Health hazards 0	Flammability 1	Instability 0	Special hazards -
<u>HMIS</u>	Health hazards 0	Flammability 1	Physical hazards 0	Personal protection X

Revision Date 22-Feb-2022

Revision Note No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**