



# Safety Data Sheet

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## Section 1 - Identification of the Substance/Mixture and of the Company

### 1.1 Product identifier

**Product Name:** ZeroFlush Odor Barrier Liquid  
**Description:** ZeroFlush Barricade Odor Sealer for Waterless Urinals  
**Manufacturer/Supplier:** Xela Innovations, LLC

**1.2 Relevant identified uses of the preparation and uses identified against Use:** Odor Barrier Oil

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

Xela Innovations, LLC  
111 West Olive Street  
Glendale, WI 53212 USA

**Telephone:** (407) 935-1180

**Web:** [www.zeroflush.com](http://www.zeroflush.com)

**1.4 Emergency telephone number**  
(877) 787-5383 (8AM-5PM)

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## Section 2 - Hazards Identification

### 2.1 Classification of the substance/mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin irritation  
Eye irritation

### 2.2 Labeling elements

#### 2.2.1 Labeling according Regulation (EC) No 1272/2008 [CLP]

**Signal Word:** Warning



**Hazard pictogram:**

**Hazard statements**

H315 Causes skin irritation.

H319 Causes eye irritation.

**Precautionary statements**

P264 Wash thoroughly after handling.

P280 Wear protective gloves

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes.

P332 + P313 If skin irritation occurs: Get medical attention.

P337 + P313 If eye irritation persists: Get medical attention.

P362 Take off contaminated clothing and wash before re-use.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 OSHA GHS classification**

This product is classified as hazardous as defined within the GHS OSHA Hazard Communication Standard 29CFR1910.1200.

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## **Section 3 - Composition / Information on Ingredients**

### **3.1 Substances**

**Component**

Rapeseed Oil, Fully refined,  
Solventblue 36/Solventblue 59

**Concentration**

Not applicable

### **3.2 Mixtures**

Not applicable

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## **Section 4 - First Aid Measures**

### **4.1 Description of First Aid measures**

**In the event of skin contact:** Remove contaminated clothing; wash thoroughly with plenty of soap and water. Contact a physician if redness, swelling or itching develops.

**In the event of eye contact:** Rinse with running water for at least 15 minutes.

**In the event of swallowing:** Do not induce vomiting unless directed to do so by a physician. Rinse mouth with water. Not dangerous – edible vegetable oil.

**In the event of exposure by inhalation:** Not applicable

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

Skin/eye irritation

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

Eye wash stations should be available.

**Note to physician:** No known specific antidote; treat symptomatically providing supportive therapy.

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## Section 5 - Fire Fighting Measures

### 5.1 Extinguishing media

Carbon dioxide, foam,

### 5.2 Special hazards arising from the substance or mixture

Extinguish all nearby sources of ignition.

**5.3 Advice for fire fighters:** Use protective fire fighting clothing and positive pressure self-contained breathing apparatus to protect against potential harmful and/or irritating fumes.

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## Section 6 - Accidental Release Measures

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

Isolate area; use appropriate personal protection equipment.

### 6.2 Environmental precautions:

Not applicable

### 6.3 Methods and material for containment and cleaning up

Where possible recover uncontaminated material for reuse. Sweep or scoop contaminated material into a suitable disposal container. Dispose of in accordance with applicable local and federal environmental control laws and regulations.

### 6.4 Reference to other sections

For more information on exposure controls, personal protection and disposal, review data in section 8 and section 13 of this SDS.

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## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

Handle with care and avoid spillage on the floor – Spillage can cause slippage hazard. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place in original packaging. Keep container tightly closed.

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## Section 8 - Exposure Controls / Personal Protection

### 8.1 Control parameters

**Occupational exposure limits:** None established

### 8.1.2 Recommended monitoring procedures

Not applicable

### 8.2 Exposure Controls:

Follow good industrial workplace practices; do not eat, drink or smoke while handling; wash hands before breaks and at end of workshift; follow recommendations in this SDS.

### **8.2.1 Appropriate engineering controls**

Not applicable

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

#### **8.2.2.1 Eye/face protection**

Wear safety glasses Refer to OSHA 29CFR1910.133 and European Standard EN166.

#### **8.2.2.2 Skin protection**

Wear suitable protective clothing as necessary to minimize skin contact. Refer to OSHA 29CFR1910.132 and 1910.136 for OSHA approved standards on protective clothing and footwear.

#### **8.2.2.3 Respiratory protection**

Respiratory protection is not required under normal conditions of use.

#### **8.2.2.4 Hand protection**

Wear nitrile rubber or other suitable protective gloves; refer to European Standard EN374. Some options include: nitrile rubber (0.4 mm coating thickness); butyl rubber (0.7 mm coating thickness). Gloves selected should have a breakthrough rating of at least >30 minutes.

**Other Protective Equipment:** Not applicable

### **8.3 Environmental exposure controls**

Not applicable

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## **Section 9 - Physical and Chemical Properties**

### **9.1 Information on basic physical and chemical properties**

#### **9.1.1 General information:**

**Appearance:** Liquid

**Color:** Blue

**Type of Odor:** None

**Odor Threshold:** Not applicable

#### **9.1.2 Important health, safety and environmental information:**

**Boiling Point:** >212°F

**Melting Point:** Not applicable

**Flammability Classification:** Not determined

**Flash Point:** >212°F

**Ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Flammability Limits (lower/upper):** No data available

**Vapor Pressure:** Not applicable

**Vapor Density (Air=1):** Not applicable

**Evaporation Rate (BuAc=1):** Not applicable

**Octanol/Water Partition Coefficient (log P<sub>ow</sub>):** No data available

**Specific Gravity:** >1

**Bulk Density:** No data available

**Water Solubility:** Insoluble

**pH:** 6.5 - 7.5

**Viscosity:** Not applicable

**Explosive Properties:** No data available  
**Oxidizing Properties:** No data available  
**Molecular Formula:** Not applicable  
**Molecular Weight:** Not applicable

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## Section 10 - Stability and Reactivity

### 10.1 Stability and Reactivity

#### 10.1 Reactivity

Not inherently chemically reactive.

#### 10.2 Stability

Stable under normal use and storage conditions.

#### 10.3 Possibility of hazardous reactions

Not applicable

#### 10.4 Conditions to avoid

Oxidation promoting conditions (e.g. heat/sunlight)

#### 10.5 Incompatible materials

Pro Oxidants

#### 10.6 Hazardous decomposition products

Not applicable

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## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

**Acute Oral Toxicity:** No data available

**Acute Dermal Toxicity:** No data available

**Acute Inhalation Toxicity:** No data available

**Skin Corrosion/irritation (rabbit):** Slight irritation

**Serious Eye Damage / Eye Irritation (rabbit):** Slight irritation

**Respiratory or Skin Sensitization:** Not classified as sensitizing

**Germ Cell Mutagenicity:** No data available

**Carcinogenicity:** No carcinogenic effects reported. Not listed by OSHA/NTP/ACGIH/IARC.

**Reproductive Toxicity:** No data available

**Specific Target Organ Toxicity - single exposure (STOT-se):** No data available

**Specific Target Organ Toxicity - repeated exposure (STOT-re):** No data available

**Aspiration Hazard:** Not applicable

#### **Potential Health Effects:**

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause irritation; material on the eye surface may cause irritation.

**Ingestion:** Not dangerous – edible vegetable oil

**Inhalation:** Not applicable

**Chronic:** No chronic effects reported.

**Additional information:** No data available

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## Section 12 - Ecological Information

## **12.1 Toxicity**

### **12.1.1 Acute/prolonged toxicity to fish**

No data available

### **12.1.2 Acute/prolonged toxicity to aquatic invertebrates**

No data available

### **12.1.3 Acute/prolonged toxicity to aquatic plants**

No data available

### **12.1.4 Toxicity to bacteria, to soil dwelling organisms and to terrestrial plants**

No data available

### **12.1.5 Chronic toxicity to aquatic organisms**

No data available

### **12.1.6 General effect**

No data available

## **12.2 Persistence and degradability**

Biodegradable vegetable oil

## **12.3 Bioaccumulative potential**

No data available

## **12.4 Mobility in soil**

No data available.

## **12.5 Results of PBT and vPvB assessment (EC reg. 453/2010)**

Not PBT; not vPvB

## **12.6 German WGK classification**

No data available

## **12.7 Other adverse effects**

No other adverse effects are identified.

## **12.8 Additional information**

This product has not been tested for ecotoxicity.

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## **Section 13 - Disposal Considerations**

### **13.1 Waste treatment methods**

**Disposal:** Reuse uncontaminated material when possible. All methods of disposal must be in compliance with all applicable federal, state and local environmental control laws and regulations. Waste characterization according to RCRA guidelines and compliance with applicable laws are the responsibility solely of the waste generator.

**Container Disposal:** Containers should be drained of all residual product prior to disposal.

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## Section 14 - Transport Information

### 14.1 Shipping description

**DOT:**

Not hazardous for transportation

**IMDG:**

Not hazardous for transportation

**IATA:**

Not hazardous for transportation

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## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Title III Section 311/312 (40CFR370):** Acute health hazard

**SARA Title III Section 313 (40CFR372):** No reportable components

**CERCLA Status (40CFR302):** No Reportable Quantity components

**TSCA Inventory Status:** Reported/included

**Canadian WHMIS Classification:** D2B

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

None known to be in the product at levels requiring a warning.

**REACH Annex XIV (SVHC)**

No listed components

**REACH Annex XVII (Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles)**

No listed components

**REACH Status (EC 1907/2006):** This material has been registered, pre-registered or is otherwise exempted from registration under the Registration, Evaluation and Authorization of Chemical Substances.

**Chemical safety assessment**

No data available

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## Section 16 - Other Information

**Date of SDS Revision:** May 2015

<b>HMIS ratings:</b>	Health:	<b>1</b>
	Flammability:	<b>1</b>
	Reactivity:	<b>0</b>

(Personal protective equipment selection is best assigned by the user after performing a hazard assessment on the product as it is to be used in the specific work process.)

**Synonyms:** C.I. Solvent Blue 36

**National chemical inventories**

All components of this product are listed on the following chemical substance inventories:

TSCA (USA)  
DSL (Canada)  
EINECS (Europe)  
ENCS (Japan)  
ECL (Korea)  
AICS (Australia)  
NZIoC (New Zealand)  
PICCS (Philippines)  
IECSC (China)

**Abbreviations**

ACGIH American Conference of Governmental Industrial Hygienists  
ADR International carriage of dangerous goods by Road  
AICS Australian Inventory of Chemical Substances  
BfR Bundesinstitut für Risikobewertung recommendations for food contact materials  
BCF Bioconcentration Factor  
CERCLA Comprehensive Environmental Response, Compensation and Liability Act  
CLP Classification, Labeling and Packaging regulation  
DOT Department of Transportation  
DSL Domestic Substances List  
EINECS European Inventory of Existing Chemical Substances  
ECL Existing Chemicals List (Korea)  
ENCS Existing and New Chemical Substances Inventory (Japan)  
EN 689 Workplace atmospheres – Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy  
ERG Emergency Response Guide  
GHS Globally Harmonized System  
HMIS Hazardous Materials Information System  
IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
ICAO International Civil Aviation Organization  
IDLH Immediately Dangerous to Life and Health  
IMDG International Maritime Dangerous Goods  
LD50 Lethal dose to 50% of test animal population  
MAK Maximale Arbeitsplatz Konzentration  
NTP National Toxicology Program  
OEL Occupational Exposure Limit  
OSHA Occupational Safety & Health Administration  
PBT Persistent, Bioaccumulative and Toxic  
vPvB Very Persistent and Very Bioaccumulative  
PEL Permissible exposure limit  
PICCS Philippine Inventory of Commercial Chemical Substances  
PNEC Predicted No Effect Concentration  
REACH Registration, evaluation and authorization of chemical substances  
RID International carriage of dangerous goods by Rail  
SARA Superfund Amendments and Reauthorization Act  
STEL Short Term Exposure Limit  
SVHC Substance of Very High Concern



TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile organic compound
WGK	Wassergefährdungsklasse (Water Hazard Class)
WHMIS	Workplace Hazardous Material Identification System

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