



Safety Data Sheet

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

1.4 Emergency telephone number

(877) 787-5383; Mon-Fri (8AM-5PM)

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.

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

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.

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.

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.

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.

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

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_{ow}): 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

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

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

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.

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.

Section 14 - Transport Information

14.1 Shipping description

DOT:

Not hazardous for transportation

IMDG:

Not hazardous for transportation

IATA:

Not hazardous for transportation

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

Section 16 - Other Information

Date of SDS Revision: May 2015

HMIS ratings:	Health:	1
	Flammability:	1
	Reactivity:	0

(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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