

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : FLO-DET
Product code : 37

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Detergent
Recommended use : Laundry
Restrictions on use : For professional use only

1.4. Supplier's details

UNX-Christeyns, LLC
707 E Arlington Blvd.
Greenville, NC 27858
USA
T 252-756-8616 / 800.869.6171
www.unxchristeyns.com - info@unxchristeyns.com

1.5. Emergency phone number

Emergency number : VELOCITY EHS (800) 255-3924 (24 HOURS)
(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Serious eye damage/eye irritation, Category 2B	H320	Causes eye irritation.
Full text of H statements : see section 16		

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H302 - Harmful if swallowed
H320 - Causes eye irritation
H401 - Toxic to aquatic life
Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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P273 - Avoid release to the environment.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 - Rinse mouth.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Alcohols, C10-16, Ethoxylated	CAS-No.: 68002-97-1	5-10
(2-Methoxymethylethoxy)propanol	CAS-No.: 34590-94-8	1-5

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Treat symptomatically. Get medical attention if symptoms occur.
First-aid measures after skin contact : Rinse skin with plenty of water or shower.
First-aid measures after eye contact : Rinse cautiously with water for 15 minutes; Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, call a physician.
First-aid measures after ingestion : Call a poison center or doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

No additional information available

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Wear a self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment.

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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No additional information available

For emergency responders

Protective equipment : Concerning personal protective equipment to use, see section 8.

Environmental precautions : Avoid release to the environment. Collect all waste in suitable and labeled containers and dispose according to local legislation.

6.2. Methods and materials for containment and cleaning up

No additional information available

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product. Use appropriate personal protection equipment (PPE).

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store in a dry place. Store in a closed container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

(2-Methoxymethylethoxy)propanol (34590-94-8)

USA - ACGIH - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether (DPGME)
ACGIH OEL TWA	50 ppm
ACGIH OEL STEL	150 ppm
Remark (ACGIH)	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether
OSHA PEL TWA	600 mg/m ³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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(2-Methoxymethylethoxy)propanol (34590-94-8)

USA - NIOSH - Occupational Exposure Limits

NIOSH REL (TWA)	600 mg/m ³
	100 ppm
NIOSH REL (STEL)	900 mg/m ³
	150 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	: Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.
Environmental exposure controls	: Store chemicals in designated areas with appropriate containment measures (e.g. spill trays, secondary containment). Have readily available spill kits with appropriate absorbent materials.

8.3. Individual protection measures, such as personal protective equipment

Eye protection:	
Safety Glasses	

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Green
Odor	: No data available
Odor threshold	: No data available
pH	: 7.5 – 8.5
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 8.35 lb/gal
Solubility	: No data available
Log Pow	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

Alcohols, C10-16, Ethoxylated

Particle characteristics	No data available
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(2-Methoxymethylethoxy)propanol

Particle characteristics	No data available
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9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Alcohols, C10-16, Ethoxylated (68002-97-1)

LD50 dermal rabbit	> 2 g/kg
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(2-Methoxymethylethoxy)propanol (34590-94-8)

LD50 oral rat	5.35 g/kg
LD50 dermal rabbit	9.5 g/kg
ATE US (oral)	5350 mg/kg body weight
ATE US (dermal)	9500 mg/kg body weight

Skin corrosion/irritation : Not classified
pH: 7.5 – 8.5

Serious eye damage/irritation : Causes eye irritation.
pH: 7.5 – 8.5

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	No data available
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Alcohols, C10-16, Ethoxylated (68002-97-1)

Viscosity, kinematic	No data available
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(2-Methoxymethylethoxy)propanol (34590-94-8)

Viscosity, kinematic	No data available
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SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Alcohols, C10-16, Ethoxylated (68002-97-1)

LC50 - Fish [1]	1 – 10 mg/l 96 Hours
EC50 - Crustacea [1]	1 – 10 mg/l 48 Hours

12.2. Persistence and degradability

FLO-DET

Persistence and degradability	No data available.
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Alcohols, C10-16, Ethoxylated (68002-97-1)

Persistence and degradability	No data available. .
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(2-Methoxymethylethoxy)propanol (34590-94-8)

Persistence and degradability	No data available. .
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12.3. Bioaccumulative potential

Alcohols, C10-16, Ethoxylated (68002-97-1)

Bioaccumulative potential	No data available.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Fluorinated greenhouse gases	: No
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SECTION 13 Disposal considerations

- Regional legislation (waste) : Avoid unauthorized disposal. Do not dump into any body of water. Comply with federal, state/provincial and local laws/regulations. Do not reuse empty containers.
- Waste treatment methods : Do not allow the product to contaminate any body of water. Refer to Section 8 for personal protection equipment.

SECTION 14 Transport information

In accordance with DOT

DOT	
14.1. UN number	Not applicable
14.2. Proper Shipping Name	Not applicable
14.3. Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not applicable
No supplementary information available	

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not applicable

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Alcohols, C10-16, Ethoxylated (68002-97-1)

SARA Section 311/312 Hazard Classes	Health hazard - Acute toxicity (any route of exposure) Health hazard - Serious eye damage or eye irritation
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15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
(2-Methoxymethylethoxy)propanol(34590-94-8)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date : 3/5/2025

Full text of hazard classes and H-statements	
H302	Harmful if swallowed
H320	Causes eye irritation

Safety Data Sheet (SDS), USA ML

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.