

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : MAXX 454  
Product code : 3006

#### 1.2. Recommended use and restrictions on use

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

#### 1.3. Supplier

UNX-Christeyns, LLC  
707 E Arlington Blvd.  
Greenville, NC 27858  
USA  
T 252-756-8616 / 800.869.6171  
[www.unxchristeyns.com](http://www.unxchristeyns.com) - [info@unxchristeyns.com](mailto:info@unxchristeyns.com)

#### 1.4. Emergency telephone 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(s) 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
Hazardous to the aquatic environment – Acute Hazard Category 2	H401	Toxic to aquatic life

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### 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.  
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

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contact lenses, if present and easy to do. Continue rinsing.

P330 - Rinse mouth.

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

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## 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	7-13
(2-Methoxymethylethoxy)propanol	CAS-No.: 34590-94-8	3-7
Alcohols (c12-15 Ln. Saturated) Ethoxylate	CAS-No.: 68131-39-5	1-5
Isopropyl Alcohol	CAS-No.: 67-63-0	1-5

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

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Seek medical attention if ill effect develops.
First-aid measures after skin contact	: If skin irritation occurs: Get medical advice/attention. Gently wash with plenty of soap and water.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: If you feel unwell, seek medical advice. Rinse mouth out with water. Do not induce vomiting.

### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	: Harmful if swallowed.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.

### 4.3. Immediate medical attention and special treatment, 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.

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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

No additional information available

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment. Protective gloves. Safety glasses.

### 6.2. Environmental precautions

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

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

For containment : Absorb and/or contain spill with inert material, then place in suitable container. Flush spill area with water spray.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see item 8. See Section 13 for disposal information.

## 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 any incompatibilities

Storage conditions : Keep in original containers. Keep locked up and out of the reach of children.

Storage temperature : > 5 – < 50 °C

## 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	100 ppm
ACGIH OEL STEL	150 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: Liver & CNS eff

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<b>(2-Methoxymethylethoxy)propanol (34590-94-8)</b>	
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Dipropylene glycol methyl ether
OSHA PEL TWA	600 mg/m <sup>3</sup>
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	600 mg/m <sup>3</sup>
	150 ppm
NIOSH REL (STEL)	900 mg/m <sup>3</sup>
<b>Isopropyl Alcohol (67-63-0)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA	200 ppm
ACGIH OEL STEL	400 ppm
Remark (ACGIH)	Eye & URT irr; CNS impair
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA	980 mg/m <sup>3</sup>
	400 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls : No particular/specific measures required.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Other information:

Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Color : Light amber liquid  
Odor : Citrus Fragrance  
Odor threshold : No data available  
pH :  $\geq 7.5 - \leq 8.5$   
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point :  $> 93$  °C  
Relative evaporation rate (butyl acetate=1) : 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

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Density	: 0.998 g/ml
Solubility	: No data available
Log Pow	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## 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
ATE US (oral)	500 mg/kg body weight

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

LD50 oral rat	5.35 g/kg
LD50 dermal rabbit	9.5 g/kg

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### Alcohols (c12-15 Ln. Saturated) Ethoxylate (68131-39-5)

LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LD50 dermal rabbit	2000 mg/kg
Skin corrosion/irritation	: Not classified pH: $\geq 7.5 - \leq 8.5$
Serious eye damage/irritation	: Causes eye irritation. pH: $\geq 7.5 - \leq 8.5$
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

### Isopropyl Alcohol (67-63-0)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

### Isopropyl Alcohol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified

### Alcohols (c12-15 Ln. Saturated) Ethoxylate (68131-39-5)

NOAEL (oral,rat,90 days)	$\geq 1000$ mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Likely routes of exposure	: Skin and eye contact. Inhalation.
Potential Adverse human health effects and symptoms	: Harmful if swallowed.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### 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
ErC50 algae	1 – 10 mg/l 72 hours

#### Alcohols (c12-15 Ln. Saturated) Ethoxylate (68131-39-5)

LC50 - Fish [1]	3.3 mg/l Source: ECOTOX
EC50 - Crustacea [1]	1.2 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	1.2 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [2]	1.4 mg/l Test organisms (species): Daphnia magna

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### 12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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#### Alcohols, C10-16, Ethoxylated (68002-97-1)

Persistence and degradability	Readily biodegradable.
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#### (2-Methoxymethylethoxy)propanol (34590-94-8)

Persistence and degradability	Not rapidly degradable
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#### Alcohols (c12-15 Ln. Saturated) Ethoxylate (68131-39-5)

Persistence and degradability	Not rapidly degradable
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#### Isopropyl Alcohol (67-63-0)

Persistence and degradability	Not rapidly degradable
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Biochemical oxygen demand (BOD)	1.19 g O <sub>2</sub> /g substance
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Chemical oxygen demand (COD)	2.23 g O <sub>2</sub> /g substance
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ThOD	2.4 g O <sub>2</sub> /g substance
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BOD (% of ThOD)	0.49 % ThOD
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### 12.3. Bioaccumulative potential

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

Bioaccumulative potential	No data available.
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#### Isopropyl Alcohol (67-63-0)

Log Pow	0.05 Experimental value
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### 12.4. Mobility in soil

#### Isopropyl Alcohol (67-63-0)

Surface tension	0.021 N/m
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### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

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### 14.1. UN number

DOT NA No : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not applicable

### 14.4. Packing group

Packing group (DOT) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

**DOT**  
Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Alcohols, C10-16, Ethoxylated	68002-97-1	Present	Active	XU
(2-Methoxymethylethoxy)propanol	34590-94-8	Present	Active	
Alcohols (c12-15 Ln. Saturated) Ethoxylate	68131-39-5	Present	Active	XU
Isopropyl Alcohol	67-63-0	Present	Active	

#### Isopropyl Alcohol (67-63-0)

Subject to reporting requirements of United States SARA Section 313

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

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Full text of H-phrases	
H302	Harmful if swallowed
H320	Causes eye irritation
H401	Toxic to aquatic life

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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.