

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Mulan Citro
Product code : 1455

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 : Booster
Restrictions on use : For professional use only

1.4. Supplier's details

Christeyns North America, LLC
311 Staton Road
Greenville, NC 27834
USA
T 252-756-8616 / 800.869.6171
info@christeyns.us - www.christeyns.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.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) :
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage

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Precautionary statements (GHS US) : P261 - Avoid breathing mists, vapors, or spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
P302+P352 - If on skin: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a poison center or doctor if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
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	30 - 60
Alcohols, C12-15, ethoxylated	CAS-No.: 68131-39-5	10 - 30
Alcohols, C11-14-iso-, C13-rich, ethoxylated	CAS-No.: 78330-21-9	7 - 13
Isopropanol	CAS-No.: 67-63-0	3 - 7
D-Limonene	CAS-No.: 5989-27-5	0.1 - 1

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. If irritation persists, get medical attention.

First-aid measures after eye contact : Rinse immediately with water for 15 minutes, occasionally lifting upper and lower eyelids. Remove contact lenses, if present, and easy to do. Continue rinsing. Get medical attention immediately.

First-aid measures after ingestion : Rinse mouth with water if the person is conscious. Do not induce vomiting unless directed by medical personnel. Get medical attention 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

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Do not use a water jet as this can spread the fire and may cause the splattering of corrosive liquid.

5.2. Specific hazards arising from the chemical

Fire hazard : Decomposition products may include carbon oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. In case of fire, do not breathe fumes. Move containers from the fire area if you can do so without risk. Prevent firefighting water from entering the environment.

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

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment : For spills or leaks, contact a supervisor and/or emergency responder. Avoid contact with spilled material and keep unnecessary personnel away.

For emergency responders

Protective equipment : See Section 8 for recommended personal protective equipment. Ventilate the area and restrict access to the spill or leak zone. Have emergency procedures in place for treating exposures or incidents. Only trained and authorized personnel equipped with proper protective equipment should perform cleanup.

Environmental precautions : Avoid release onto the ground, into storm sewers, or bodies of water.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Contain spillage, soak up with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and collect all waste in suitable, labeled, and closed containers. Dispose according to local legislation (See Section 13).

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practices. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use appropriate personal protection equipment (PPE). Wash thoroughly after handling.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store upright in a tightly closed, suitably labeled container. Store in a dry, cool, well-ventilated area with appropriate designated containment measures. Keep out of reach of children. Have readily available spill kits with appropriate absorbent materials. Protect from sunlight. Store in original labeled containers.

Incompatible products : Keep away from strong acids, strong bases, flammables/combustibles, oxidizers, and reactive metals (aluminum, zinc, magnesium, iron filings).

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SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Isopropanol (67-63-0)	
USA - ACGIH® - Threshold Limit Values	
Local name	2-Propanol
ACGIH® TLV® TWA	491 mg/m³
	200 ppm
ACGIH® TLV® STEL	984 mg/m³
	400 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr; CNS repair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
Local name	2-Propanol
BEI (BLV)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B, Ns
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Isopropyl alcohol
OSHA PEL TWA	980 mg/m³
	400 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Isopropyl alcohol
NIOSH REL 10h TWA	400 ppm
NIOSH REL (STEL)	500 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

8.2. Appropriate engineering controls

Appropriate engineering controls : Maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable guidelines, use only with adequate ventilation. Eye wash facilities and emergency showers must be available when handling this product.

8.3. Individual protection measures, such as personal protective equipment

Materials for protective clothing:
Wear suitable protective clothing. Long sleeved protective clothing.
Hand protection:
Chemical resistant PVC gloves

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Eye protection:

Safety glasses with side shields.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Clear
Odor	: Odorless
Odor threshold	: No data available
pH	: 6.5 – 7.5
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °F
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
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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Alcohols, C12-15, ethoxylated

Particle characteristics	No data available
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Alcohols, C11-14-iso-, C13-rich, ethoxylated

Particle characteristics	No data available
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Isopropanol

Particle characteristics	No data available
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D-Limonene

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

No additional information available

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SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under recommended handling and storage conditions. Decomposes when overheated or exposed to strong oxidizers or acids/bases.

10.3. Possibility of hazardous reactions

No hazardous polymerization expected. Contact with incompatible materials (strong acids, alkalis, oxidizers) may cause degradation with release of vapors or mild exothermic reactions.

10.4. Conditions to avoid

Avoid excessive heat, open flames, and prolonged exposure to direct sunlight.

10.5. Incompatible materials

Incompatible with strong oxidizing agents, strong acids, and strong bases.

10.6. Hazardous decomposition products

Thermal decomposition may produce carbon oxides (CO, CO₂) and minor irritating vapors.

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, C12-15, ethoxylated (68131-39-5)

LD50 oral rat	2000 mg/kg Source: Corporate Solution From Thomson Micromedex
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Isopropanol (67-63-0)

LD50 oral rat	5840 mg/kg Source: ECHA
LD50 dermal rabbit	12800 mg/kg Source: ECHA

D-Limonene (5989-27-5)

LD50 oral rat	5000 mg/kg Source: National Library of Medicine/Hazardous Substances Data Bank
LD50 dermal rabbit	> 5000 mg/kg Source: National Library of Medicine

Skin corrosion/irritation : Causes skin irritation.
pH: 6.5 – 7.5

Serious eye damage/irritation : Causes serious eye damage.
pH: 6.5 – 7.5

Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified

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Carcinogenicity : Not classified

Isopropanol (67-63-0)

IARC group	3 - Not classifiable
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D-Limonene (5989-27-5)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified

D-Limonene (5989-27-5)

NOAEL (animal/female, F0/P)	600 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:
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STOT-single exposure : Not classified

Isopropanol (67-63-0)

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

Alcohols, C12-15, ethoxylated (68131-39-5)

NOAEL (oral,rat,90 days)	≥ 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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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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Alcohols, C12-15, ethoxylated (68131-39-5)

Viscosity, kinematic	16 mm²/s Temp.: '40°C' Parameter: 'kinematic viscosity (in mm²/s)'
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Alcohols, C11-14-iso-, C13-rich, ethoxylated (78330-21-9)

Viscosity, kinematic	No data available
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Isopropanol (67-63-0)

Viscosity, kinematic	No data available
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D-Limonene (5989-27-5)

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]	63.704 mg/l Source: ECOSAR
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Alcohols, C12-15, ethoxylated (68131-39-5)	
LC50 - Fish [1]	1.03 mg/l Source: The ECOTOXicology database
EC50 - Crustacea [1]	0.302 mg/l Source: The ECOTOXicology database
EC50 - Other aquatic organisms [1]	0.88 mg/l Test organisms (species): other:
EC50 96h - Algae [1]	0.7 mg/l Source: ECOTOX
Isopropanol (67-63-0)	
LC50 - Fish [1]	9640 mg/l Source: ECHA
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas
D-Limonene (5989-27-5)	
LC50 - Fish [1]	0.7 mg/l Source: The ECOTOXicology database
EC50 - Crustacea [1]	0.307 mg/l Source: ECHA Registered substances
LC50 - Fish [2]	702 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.32 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.214 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

Mulan Citro	
Persistence and degradability	Not rapidly degradable
Alcohols, C10-16, ethoxylated (68002-97-1)	
Persistence and degradability	Not rapidly degradable
Alcohols, C12-15, ethoxylated (68131-39-5)	
Persistence and degradability	Not rapidly degradable
Alcohols, C11-14-iso-, C13-rich, ethoxylated (78330-21-9)	
Persistence and degradability	Not rapidly degradable
Isopropanol (67-63-0)	
Persistence and degradability	Not rapidly degradable
D-Limonene (5989-27-5)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Isopropanol (67-63-0)	
Log Pow	0.05 Source: ICSC
D-Limonene (5989-27-5)	
Log Pow	4.57

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12.4. Mobility in soil

Alcohols, C11-14-iso-, C13-rich, ethoxylated (78330-21-9)

Mobility in soil	20860 Source: EPISUITE
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12.5. Other adverse effects

No additional information available

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 regulated for transport	
14.2. Proper Shipping Name	
	Not regulated
14.3. Transport hazard class(es)	
	Not regulated
14.4. Packing group	
	Not regulated
14.5. Environmental hazards	
	Not regulated
No supplementary information available	

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

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

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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Isopropanol	CAS-No. 67-63-0	3 - 7%
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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
Isopropanol(67-63-0)	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 : 3/16/2026

Full text of hazard classes and H-statements

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

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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.