Safety Data Sheet

1. Identification

Product Information. 109162, 120455

Product Name: Mediclean X-590; EPA Registration Number 70385-3

Recommended Use. Disinfectant

Uses advised against. No information available

Supplier.

Legend Brands
ProRestore Products
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands
4520 Eastgate Parkway
Mississauga, ON L4W 3W6
800-932-3030

Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200
Eye Irritation, category 2A
Flammable Liquid, category 3
STOT, single exposure, category 3, NE

GHS Pictograms

Signal Word
Warning

Unknown Acute Toxicity
< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS
Flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statements - Prevention.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash face and hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO_2 dry chemical or foam to extinguish.

Precautionary Statements - Storage.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Precautionary Statements - Disposal.

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

3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %
Isopropyl alcohol	67-63-0	25-50
Polyethylene glycol octylpheny ether	9036-19-5	2.5-10
Diisobutylphenoxyethoxyethyl dimethyl	121-54-0	0.1-1.0
Distillates, petroleum, hydrotreated light	64742-47-8	0.1-1.0
N-Octyl Bicycloheptene Dicarboximide	113-48-4	0.1-1.0
o-phenyl phenol	90-43-7	0.1-1.0
Piperonyl Butoxide	51-03-6	0.1-1.0
Pyrethrins	8003-34-7	0.1-1.0

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid Measures

Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Skin contact.

If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. If symptoms persist, call a physician. May cause slight irritation. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If symptoms persist, call a doctor. Show this safety data sheet to the doctor in attendance.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If symptoms persist, call a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Call a physician immediately. Gently wipe or rinse the inside of the mouth with water.

Symptoms.

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Water spray. Foam. Dry powder. Dry chemical. Alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO_2).

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

Flash back possible over considerable distance. Hazardous decomposition products formed under fire conditions.

Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Remove all sources of ignition. Use personal protection recommended in Section 8.

Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Use personal protective equipment. Remove all sources of ignition.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition - No smoking.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place. Store in original container.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Isopropyl alcohol	200 ppm	400 ppm	400 ppm	N.E.
Pyrethrins	5 mg/m^3	N.E.	5 mg/m^3	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	Transparent
Color	colorless to straw
Odor	alcohol
Odor Threshold	No Information
pH	5.00
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	25 (77.00)
Boiling point/boiling range., °C (°F)	102 - 206 (215.6 - 402.8)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm^3)	0.956
Water solubility.	No Information
Partition coefficient.	No Information
Autoignition temperature.,°C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	No Information
Density, lb/gal	7.699

10. Stability and Reactivity

Reactivity.

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

Strong oxidizing agents.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

Carbon dioxide (CO_2), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological Information

Information on toxicological effects.

Acute toxicity.

Product Information

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 43,814.4 mg/kg

Component Information.

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
67-63-0	Isopropyl alcohol	5840 mg/kg (Rat)	13,900 mg/kg (Rabbit)	N.I.
9036-19-5	Polyethylene glycol octylpheny ether	1700 mg/kg Rat	N.I.	N.I.
121-54-0	Diisobutylphenoxyethoxyethyl dimethyl	295 mg/kg Rat	N.I.	N.I.
113-48-4	N-Octyl Bicycloheptene Dicarboximide	2800 mg/kg Rat	470 mg/kg Rabbit	N.I.
90-43-7	o-phenyl phenol	2000 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
51-03-6	Piperonyl Butoxide	4570 mg/kg Rat	1880 mg/kg Rabbit	N.I.
8003-34-7	Pyrethrins	200 mg/kg Rat	2060 mg/kg Rabbit	3.4 mg/L Rat (Vapor)

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT.

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

CAS-No.	Chemical Name	IARC	NTP	OSHA
90-43-7	o-phenyl phenol	IARC Group 3	-	-
51-03-6	Piperonyl Butoxide	IARC Group 3	-	-

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information

Toxicity.

4.92% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Isopropyl alcohol 67-63-0	EC50 96 h Desmodesmus subspicatus >1000 mg/L, EC50 72 h Desmodesmus subspicatus >1000 mg/L	LC50 96 h Pimephales promelas 9640 mg/L, LC50 96 h Pimephales promelas 11130 mg/L, LC50 96 h Lepomis macrochirus >1400000 µg/L	EC50 48 h Daphnia magna 13299 mg/L
Distillates, petroleum, hydrotreated light 64742-47-8	-	LC50 96 h Pimephales promelas 45 mg/L, LC50 96 h Lepomis macrochirus 2.2 mg/L, LC50 96 h Oncorhynchus mykiss 2.4 mg/L	-
o-phenyl phenol 90-43-7	EC50 72 h Desmodesmus subspicatus 0.85 mg/L	LC50 96 h Pimephales promelas 3.4 mg/L, LC50 96 h Lepomis macrochirus 2.74 mg/L, LC50 96 h Oncorhynchus mykiss 2.75 mg/L, LC50 96 h Poecilia reticulata 5.8 mg/L	EC50 48 h Daphnia magna 1 - 2.5 mg/L
Piperonyl Butoxide 51-03-6	-	LC50 96 h Oncorhynchus mykiss 7.07 mg/L	-
Pyrethrins 8003-34-7	-	LC50 96 h Oncorhynchus mykiss 0.054 mg/L, LC50 96 h Oncorhynchus mykiss 0.0031 - 0.0038 mg/L, LC50 96 h Oncorhynchus mykiss 0.02 - 0.03 mg/L, LC50 96 h Lepomis macrochirus 0.0322 - 0.0472 mg/L, LC50 96 h Lepomis macrochirus 0.003 - 0.0046 mg/L, LC50 96 h Lepomis macrochirus 0.074 mg/L, LC50 96 h Pimephales promelas 0.0425 - 0.121 mg/L, LC50 96 h Pimephales promelas 0.224 - 0.458 mg/L	-

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

CAS-No.	Chemical Name	log POW
67-63-0	Isopropyl alcohol	0.05
121-54-0	Diisobutylphenoxyethoxyethyl dimethyl	1.08
113-48-4	N-Octyl Bicycloheptene Dicarboximide	3.61, 3.8
90-43-7	o-phenyl phenol	3.18
51-03-6	Piperonyl Butoxide	5

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations

Waste Disposal Guidance.

STORAGE AND DISPOSAL Do not contaminate water, food or feed by storage and disposal.
PESTICIDE STORAGE: Keep from freezing. Store in ventilated areas.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

DOT

Shipping Name:	Flammable Liquid, N.O.S. (Isopropanol)
Hazard Class:	3
UN/NA Number:	1993
Packing Group:	III
Additional Information:	Quarts and gallons ship as limited quantity.

IMDG

Proper Shipping Name:	Flammable Liquid, N.O.S. (Isopropanol)
Hazard Class:	3
UN Number:	1993
Packing Group:	III
Additional Information:	Quarts and gallons ship as limited quantity.

IATA

Proper Shipping Name:	
Additional Information:	Air transport is not recommended.

15. Regulatory Information

International Inventories:

TSCA	Complies
DSL	-
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECI	-
PICCS	Complies
AICS	Complies
NZIoC	Complies
TCSI	

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDSL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

U.S. Federal Regulations:

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: .

Chemical Name	CAS-No.	Weight Percent
Isopropyl alcohol	67-63-0	25-50

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

U.S. EPA PESTICIDE INFORMATION

EPA Pesticide Registration Number: 70385-3

EPA STATEMENT: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law.These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA PESTICIDE LABEL: WARNING May be harmful if swallowed (inhaled or absorbed through the skin). Do not breathe vapors (dust or spray mist).
Do not get in eyes, on skin or on clothing. May cause eye (and skin) irritation.

ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

CALIFORNIA PROPOSITION 65 CARCINOGENS

WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:.

Chemical Name	CAS-No.
o-phenyl phenol	90-43-7

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

16. Other Information

Revision Date: 9/29/2022 **Supersedes Date:** 7/6/2022

Reason for revision: Substance and/or Product Properties Changed in Section(s):
02 - Hazards Identification
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2	**Flammability:**	3	**Physical Hazard:**	0	**Personal Protection:**	X

NFPA Ratings:

Health:	2	**Flammability:**	3	**Instability:**	0	**Physical & Chemical:**	-

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.