



STERILEX
Innovative Solutions for Microbial Control

ProvaStride

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Issue date: 5/9/2022 Revision date: 01/30/2025 Supersedes: 11/11/2024 Version: 4.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : ProvaStride
EPA Registration # : 63761-11
Health Canada: Product Registration # : Not applicable

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Sanitizer

1.3. Supplier

Manufacturer

Sterilex LLC
111 Lake Front Dr
Hunt Valley, MD 21030 - USA
T 443-541-8800

1.4. Emergency telephone number

Emergency number : VelocityEHS (24 hours): (800)255-3924 (North America); +1 (813) 248-0585 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Serious eye damage/eye irritation, Category 2B

2.2. GHS Label elements, including precautionary statements

GHS Labeling

Signal word (GHS) : Warning
Hazard statements (GHS) : H320 - Causes eye irritation
Precautionary statements (GHS) : P264: Wash hands, forearms and face thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Disodium carbonate	Disodium carbonate Sodium carbonate / Carbonic acid / Carbonic acid sodium salt (1:2)	CAS-No.: 497-19-8	30 – 60
Citric acid	Citric acid Citric acid / 2-Hydroxy-1,2,3-propanetricarboxylic acid	CAS-No.: 77-92-9	10 – 30
Sodium percarbonate	Sodium percarbonate	CAS-No.: 15630-89-4	3 – 7

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove to fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact	: Wash skin with mild soap and water. Get medical attention if irritation occurs.
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. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Get medical attention if symptoms occur.

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

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Not expected to be harmful if in contact with skin.
Symptoms/effects after eye contact	: Causes eye irritation.
Symptoms/effects after ingestion	: Not expected to be a primary route of exposure. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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	: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. irritating vapours.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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6.1.1. For non-emergency personnel

No additional information available

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6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Contain and place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Vacuum or sweep material and place in a disposal container. Avoid dust formation. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Avoid generating and breathing dust. Handle and open container with care. Good housekeeping is important to prevent accumulation of dust.
Hygiene measures	: Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep out of the reach of children. Store tightly closed in a dry and cool place.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ProvaStride

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

None necessary under normal conditions of use. It is a good industrial hygiene practice to minimize skin contact when mixing/loading or for spilled material.

Eye protection:

Wear eye protection when mixing/loading/spilled. While not required, it is recommended to wear safety glasses and/or google.

Skin and body protection:

None necessary under normal conditions of use. It is a good industrial hygiene practice to minimize skin and body contact.

Respiratory protection:

None needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Light blue
Odour	: Odourless
Odour threshold	: No data available
pH	: No data available
pH solution	: 9 – 10 (1%)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Easily soluble
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

Bulk density	: 0.89 g/mL
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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

Heat. Direct sunlight. Dust formation. Incompatible materials.

10.5. Incompatible materials

Oxidizing agent. Reducing agents.

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10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified.

ProvaStride	
LD50 oral rat	= 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat	> 2.04 mg/l
Sensitization (Guinea pigs)	Not a sensitizer
Acute dermal irritation (rabbits)	Not classified (Not irritating)
Acute eye irritation (rabbits)	Eye Irrit. Cat 2B (Minimally irritating)

Skin corrosion/irritation : Not classified.
Mild or slight irritation at 72 hours (no irritation or slight erythema)

Serious eye damage/irritation : Causes eye irritation.
Corneal involvement or other eye irritation clearing in 7 days or less

Respiratory or skin sensitisation : Skin Sensitization: Product is not a sensitizer.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

STOT-single exposure : Not classified.

STOT-repeated exposure : Not classified.

Aspiration hazard : Not classified.

Symptoms/effects after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact : Not expected to be harmful if in contact with skin.

Symptoms/effects after eye contact : Causes eye irritation.

Symptoms/effects after ingestion : Not expected to be a primary route of exposure. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Other information : Likely routes of exposure: inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This product is not classified as hazardous to the environment.

ProvaStride	
LC50 - Fish	243.2 mg/l 96 hr LC50 Species: Fathead minnow (Freshwater fish)
LC50 - Other aquatic organisms	88.4 mg/l 48 hr LC50 Species: <i>Ceriodaphnia dubia</i> (Freshwater)
NOEC (Chronic) - Fish	< 62.5 mg/L 7 day NOEC Species: Fathead minnow (Freshwater fish)
NOEC (Chronic) - Other aquatic organisms	100 mg/L 7 day NOEC Species: <i>Ceriodaphnia dubia</i> (Freshwater)
IC25 (Chronic) - Fish	139.6 mg/L 7 day IC25 Species: Fathead minnow (Freshwater fish)
IC25 (Chronic) - Other aquatic organisms	90.3 mg/L 7 day IC25 Species: <i>Ceriodaphnia dubia</i> (Freshwater)

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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT	
Transport hazard class(es) (DOT)	: Not applicable
TDG	
Transport hazard class(es) (TDG)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
IATA	
Transport hazard class(es) (IATA)	: Not applicable

14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

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14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

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

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) - This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Revision date : 01/30/2025

Other information : None.

Indications of change : Regulatory information; Statements

Prepared by : Nexreg Compliance Inc.

www.Nexreg.com



Full text of H-statements

Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
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NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

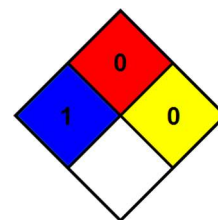
NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

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NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability : 0 Minimal Hazard - Materials that will not burn
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

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