



SAFETY DATA SHEET

ANTI-MICROBE

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Date prepared: MARCH 27, 2020

MSDS : ANTI-MICROBE SDS GHS

1. IDENTIFICATION

Product Identifier

Product Name ANTI-MICROBE

Recommended use of the chemical and restrictions on use

Recommended use Hand Sanitizer
Restrictions on use For industrial use only

Supplier details

Atomes FD Inc. 3485 Ashby Ville Saint Laurent Québec Canada H4R 2K3.

Emergency Telephone Number

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Eye damage/irritation	Category 2B
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Label Elements

WARNING

Hazard Statements
Causes eye irritation



Precautionary Statements -

Prevention

Wash face, exposed eyes thoroughly after handling.

Precautionary Statements - Response

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Benzalkonium Chloride	8001-54-5	0.15-0.3

4. FIRST AID MEASURES

Eye contact	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.
Skin contact	Not applicable.
Inhalation	Not applicable
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes irritation to eyes. Symptoms include tingling sensation and / or reddening.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Not applicable

Unsuitable Extinguishing Media

None.

Specific hazards arising from the chemical

None known.

Protective Equipment and Precautions for Firefighters

Not applicable.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Rinse area with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with eyes. Do not drink it.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

None of the constituents in this product have a known exposure limit.

Appropriate engineering controls

Engineering Controls Not required.

Individual protection measures, such as personal protective equipment

Eye/face Protection Not required.

Skin and body protection Not required.

Respiratory Protection Not required.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :

Clear, thick green liquid

ODOR

Odorless

ODOR THRESHOLD :

Not applicable

pH :

7

MELTING POINT / FREEZING POINT :

Not available

BOILING POINT/BOILING RANGE :

100°C

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

1.00

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None



FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS):

Not applicable

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

2000 cps @ 22°C

FLAMMABLE LIMITS :**UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive

Conditions to Avoid

None.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None

Incompatible Materials

None

Hazardous decomposition products

None

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzalkonium Chloride 8001-54-5	No data available	No data available	Not applicable

Information on likely sources of exposure**Serious eye damage/irritation**

Causes eye irritation.

Skin corrosion/irritation

physician.

Not observed. If any irritation develops, stop using and consult a

Delayed and immediate effects and also chronic effects from short and long-term exposure**Respiratory or skin sensitization**

Not a sensitizer.

Germ cell mutagenicity

None known.

Carcinogenicity

None known.

Reproductive toxicity

None known.

STOT - single exposure

None known.

STOT-repeated exposure

None known.

Aspiration Hazard

None.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms include tingling sensation and / or reddening of eyes.



12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available

Persistence and degradability

Readily biodegradable

Bioaccumulative potential

No information available

Mobility in soil

No information available

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

Not regulated

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

MARCH 27, 2020

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS