

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Trade name : BioGuard
 Product code : 1798

1.2. Recommended use and restrictions on use

Recommended use : Air care products

1.3. Supplier

Synthetic Labs
 24 Victory Lane
 Dracut, MA, 01826
 United States
 T 800.255.4050 - F 978.957.5122
www.syntecpro.com

1.4. Emergency telephone number

Emergency number : Infotrac 24 Hour Medical Emergency Number: 1-800-535-5053

SECTION 2: Hazard(s) identification


2.1. Classification of the substance or mixture

GHS US classification

| | |
|---|-------------------------------|
| Skin corrosion/irritation Category 2 | Causes skin irritation |
| Serious eye damage/eye irritation Category 2A | Causes serious eye irritation |

2.2. GHS Label elements, including precautionary statements

GHS US labeling

| | | |
|-----------------------------------|---|---|
| Hazard pictograms (GHS US) | : |  |
| Signal word (GHS US) | : | Warning |
| Hazard statements (GHS US) | : | Causes skin irritation Causes serious eye irritation |
| Precautionary statements (GHS US) | : | Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see supplemental first aid instruction on this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. |

2.3. Other hazards which do not result in classification

No additional information available

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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 | % | GHS US classification |
|---|---------------------|-------|---|
| Alcohols, Ehoxylated | CAS-No.: 68439-46-3 | 1 – 5 | Acute Tox. 4 (Oral), H302 |
| Quaternary ammonium compounds, benzylik-C12-16-alkyldimethyl, chlorides | CAS-No.: 68424-85-1 | 1 – 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Eye Dam. 1, H318 Skin Sens. 1B, H317 |
| Alkyl dimethyl benzyl ammonium chloride (C12-18) | CAS-No.: 68391-01-5 | 1 – 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Eye Dam. 1, H318 Skin Sens. 1B, H317 |

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 | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after 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. |
| First-aid measures after ingestion | : Call a poison center/doctor/physician if you feel unwell. |

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

| | |
|-------------------------------------|-------------------|
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Alcohols, Ehoxylated (68439-46-3)

USA - ACGIH - Occupational Exposure Limits

| | |
|---------------------|-------|
| ACGIH OEL TWA [ppm] | 1 ppm |
|---------------------|-------|

USA - OSHA - Occupational Exposure Limits

| | |
|--------------------|-------|
| OSHA PEL (TWA) [2] | 1 ppm |
|--------------------|-------|

| | |
|---------------------|-------|
| OSHA PEL (STEL) [2] | 5 ppm |
|---------------------|-------|

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Alcohols, Ehoxylated (68439-46-3)

USA - NIOSH - Occupational Exposure Limits

| | |
|---------------------|---------------------|
| NIOSH REL TWA [ppm] | 5 ppm |
| NIOSH REL (Ceiling) | 9 mg/m ³ |

Quaternary ammonium compounds, benzylk-C12-16-alkyldimethyl, chlorides (68424-85-1)

No additional information available

Alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5)

No additional information available

8.2. Appropriate engineering controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls | : Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Color | : clear |
| Odor | : cherry |
| Odor threshold | : No data available |
| pH | : 7 (7 – 8) |
| Melting point | : Not applicable |
| Freezing point | : 32 °F |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : No data available |

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| | |
|---|-------------------------|
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Density | : 1.01 g/m ³ |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition 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

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

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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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 |

Alcohols, Ehoxylated (68439-46-3)

| | |
|--------------------|-------------------------------|
| LD50 oral rat | 1378 mg/kg (Rat, Oral) |
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit, Dermal) |
| ATE US (oral) | 1378 mg/kg body weight |

Quaternary ammonium compounds, benzylk-C12-16-alkyldimethyl, chlorides (68424-85-1)

| | |
|---------------|-----------------------|
| ATE US (oral) | 500 mg/kg body weight |
|---------------|-----------------------|

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| Quaternary ammonium compounds, benzylk-C12-16-alkyldimethyl, chlorides (68424-85-1) | |
|---|---|
| ATE US (dermal) | 300 mg/kg body weight |
| Alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5) | |
| LD50 oral rat | 366 mg/kg |
| LD50 dermal rabbit | 645 mg/kg |
| ATE US (oral) | 366 mg/kg body weight |
| ATE US (dermal) | 645 mg/kg body weight |
| Skin corrosion/irritation | : Causes skin irritation. pH: 7 (7 – 8) |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 7 (7 – 8) |
| Respiratory or skin sensitization | : Not classified. |
| 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 |
| Viscosity, kinematic | : No data available |
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

| Alcohols, Ehoxylated (68439-46-3) | |
|-----------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

| Alcohols, Ehoxylated (68439-46-3) | |
|-----------------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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SECTION 14: Transport information

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 |

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

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

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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, Ehoxylated | 68439-46-3 | Present | Active | XU |
| Quaternary ammonium compounds, benzylk-C12-16-alkyldimethyl, chlorides | 68424-85-1 | Present | Active | TP |
| Alkyl dimethyl benzyl ammonium chloride (C12-18) | 68391-01-5 | Present | Active | TP |

15.2. International regulations

CANADA

Alcohols, Ehoxylated (68439-46-3)

Listed on the Canadian DSL (Domestic Substances List)

Quaternary ammonium compounds, benzylk-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the Canadian DSL (Domestic Substances List)

Alkyl dimethyl benzyl ammonium chloride (C12-18) (68391-01-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Revision date : 1/8/2024

Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur
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.

Safety Data Sheet (SDS), USA

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.