Benefect Botanical Disinfectant

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 WHMIS 2015

Date of issue: 06/19/2015 Revision date: 05/12/2017 Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Benefect Botanical Disinfectant

Product code : 21275, 20475, 20275, 22075, 51275, 50475, 50275, 52075 & 51275

EPA Registration Number : 84683-1-74771

Heath Canada (DIN) : 02242474

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Disinfectant

1.3. Details of the supplier of the safety data sheet

Sensible Life Products (div of Benefect Corp)
555 Bay Street North
Hamilton, Ontario L8L1H1 - Canada
T (905) 528-7474

1.4. Emergency telephone number

Emergency number : (905) 528-7474

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS classification

Not classified.

2.2. Label elements

GHS labelling

No labelling applicable.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Oils, thyme	(CAS No) 8007-46-3	0.1 - 1
Oils, lemongrass	(CAS No) 8007-02-1	0.1 - 1

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.

First-aid measures after eye contact : In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : None under normal use. May cause slight irritation.

Symptoms/injuries after skin contact : None under normal use. May cause an allergic skin reaction in sensitive individuals.

Symptoms/injuries after eye contact : None under normal use. May cause slight irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : None under normal use.

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4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Treat for surrounding material.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None known.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Keep unnecessary personnel away from the release.

6.2. Methods and material for containment and cleaning up

For containment : Contain and/or absorb spill, then place in a suitable container.

Methods for cleaning up : Thoroughly wash the area with water after a spill or leak.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Wash hands with water as a precaution.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store at room temperature.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Oils, thyme (8007-46-3)	
ACGIH	Not applicable
OSHA	Not applicable

Oils, lemongrass (8007-02-1)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls : No special precuations.

Hand protection : None necessary under normal conditions of use.

Eye protection : None necessary under normal conditions of use.

Skin and body protection : None necessary under normal conditions of use.

Respiratory protection : None necessary under normal conditions of use.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Hazy
Colour	: Light tan
Odour	: Lemon/Spice
Odour threshold	: No data available
pH	: 4.0-5.0
Melting point	: As per water
Freezing point	: As per water
Boiling point	: As per water
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: As per water
Flammability (solid, gas)	: Not flammable
Explosive limits	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: Not applicable
Relative density	: 1.00-1.02
Relative vapour density at 20 °C	: Not applicable
Solubility	: Soluble in water :
Partition coefficient: n-octanol/water	No data available :
Log Kow	No data available :
Auto-ignition temperature	Not combustible :
Decomposition temperature	No data available :
Viscosity	As per water

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified.

Benefect Botanical Disinfectant	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 20 mg/l/4h

Oils, thyme (8007-46-3)	
LD50 oral rat	2840 mg/kg
LD50 dermal rabbit	> 5 g/kg

Oils, lemongrass (8007-02-1)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5 g/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Reproductive toxicity : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : None under normal use. May cause slight irritation.

Symptoms/injuries after skin contact : None under normal use. May cause an allergic skin reaction in sensitive individuals.

Symptoms/injuries after eye contact : None under normal use. May cause slight irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : None under normal use.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No known significant effects or critical hazards.

Aquatic Toxicity : Not toxic to aquatic life (IC50 >100 mg/L, Protocol EPS 1/RM/24)

12.2. Persistence and degradability

Benefect Botanical Disinfectant	
Persistence and degradability	Readily Biodegradable (85% in 28 days, OECD 301D Method)

12.3. Bioaccumulative potential

Benefect Botanical Disinfectant	
Bioaccumulative potential None.	

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not reuse container. Recycle empty containers where allowed.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport.

Additional information

Other information : No supplementary information available.

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

SECTION 15: Regulatory information

15.1. US regulations

All components of this product are not listed or are excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

EPA labelling

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 product has no assigned hazard information according to the Environmental Protection Agency.

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

15.2. Canada regulations

WHMIS : Exempt DIN # 02242474
This product has no assigned hazard information according to Health Canada

SECTION 16: Other information

HMIS	
Health Hazard:	0
Flammability:	0
Reactivity:	0

Date of Revision	: 05/12/2017
Other information	: None.

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