

# Benefect Botanical Disinfectant

## Safety Data Sheet

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

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Version: 2.2

### 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)  
150 Dascomb Rd  
Andover, MA 01810  
T (978) 623-9980

#### 1.4. Emergency telephone number

Emergency number- Chemtel / International- Chemtel : (800)-255-3924 / (813)-248-0585

### 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 precautions.                                                  |
| 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. |

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### 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 |

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| 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. |

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### 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 : 02/18/2021

Other information : None.

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