

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT IDENTIFICATION

**Product Name:** Benefect® Botanical Disinfectant  
**Product Use:** Disinfectant  
**Regulatory Class:** Registered Product – EPA # 84683-1-74771  
**D.O.T. Classification:** Not Regulated  
**TDG Classification:** Not Regulated  
**Manufacturer:** Sensible Life Products  
**Address:** 555 Bay St. North Ontario CA L8L 1H1  
**Telephone:** (905) 528-7474  
**Emergency Phone:** (905) 528-7474

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

## SECTION II – ACTIVE INGREDIENTS

Ingredients	CAS#	WT%	ACGIH-TLV	LD <sub>50</sub>
Oils, thyme	8007-46-3	0.3 – 1	None established	4700 mg/kg oral, rat

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – No ingredients above reportable quantities.  
Toxic Substances Control Act (TSCA) – All the ingredients are listed or exempt from listing on the Chemical Substance Inventory.  
California Proposition 65 – No ingredients listed.

## SECTION III – PHYSICAL AND CHEMICAL DATA

**Boiling Point (°C):** As for water  
**Vapor Pressure (mm Hg):** Not applicable  
**Vapor Density (Air = 1):** Not applicable  
**Solubility in Water:** Some separation occurs, agitation not required, efficacy is guaranteed  
**Physical State:** Liquid  
**Appearance:** Light Tan  
**Freeze-Thaw Stable:** Yes

**Specific Gravity (H<sub>2</sub>O=1):** 1.00-1.02  
**% Volatile (Wt%):** Not applicable  
**Evaporation Rate:** As per water  
**pH (100%):** 4.0 - 5.0

**Viscosity:** As per water  
**Odor:** Lemon - Spice

## SECTION IV – FIRE AND EXPLOSION DATA

**Flammability:** Not flammable  
**Flash Point (°C, TCC):** Not Applicable  
**Hazardous Combustion Products:** None  
**Auto-ignition Temperature:** Non-combustible

**LEL:** Not applicable  
**UEL:** Not applicable

## SECTION V – REACTIVITY DATA

**Conditions for Chemical Instability:** Stable  
**Incompatible Materials:** None known  
**Reactivity, and Under What Conditions:** As for water  
**Hazardous Decomposition Products:** None

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## SECTION VI – TOXICOLOGICAL PROPERTIES

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**Route of Entry:** Inhalation most likely

### ACUTE TOXICITY PROFILE:

Route of Exposure	Result	Reference/Verification
Ingestion	EPA Category IV (>5000 mg/kg)	EPA Toxicity Profile Review for 84683-1
Dermal Toxicity	EPA Category IV (>5000 mg/kg)	EPA Toxicity Profile Review for 84683-1
Inhalation	EPA Category IV (>2 mg/L)	EPA Toxicity Profile Review for 84683-1
Eye Irritation	EPA Category IV (“minimal effects”)	EPA Toxicity Profile Review for 84683-1
Skin Irritation	EPA Category IV (“no irritation”)	EPA Toxicity Profile Review for 84683-1
Dermal Sensitization	Non-Sensitizer	EPA Toxicity Profile Review for 84683-1

**SUMMARY** (as per EPA Toxicity Profile Review for 84683-1):

**Signal Word** (e.g. DANGER, WARNING or CAUTION): None required on product label, as all routes of exposure are Category IV.

**Precautionary Statements:** None are required on product label.

**First Aid Statements:** None are required on product label.

### EFFECTS OF CHRONIC EXPOSURE:

Does not contain any recognized carcinogens, mutagens or reproductive toxicants.

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## SECTION VII – ECOLOGICAL DATA

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**Environmental Fate:** “Readily biodegradable” (85% in 28 days, OECD 301D Method)  
**Aquatic toxicity:** “Not toxic to aquatic life” (IC50 >100 mg/L, Protocol EPS 1/RM/24)

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## SECTION VIII – PREVENTATIVE MEASURES

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**Gloves:** None required

**Eye Protection:** None required

**Respiratory Protection:** None required

**Other Protective Equipment:** None required by OSHA or NIOSH

**Engineering Controls:** General ventilation adequate

**Leak and Spill Procedure:** Dispose of down drain or absorb and place in trash.

**Waste Disposal:** No special disposal requirements. Dispose of down drain or absorb and place in trash. Comply with local government regulations, if any. Offer empty container for recycling.

**Storage and Handling Requirements:** Store airtight at room temperature. Keep out of the reach of children. No special handling requirements.

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## SECTION IX – FIRST AID

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If irritation occurs, rinse affected area thoroughly with cool water. If swallowed, drink plenty of water.

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## SECTION X – PREPARATION INFORMATION

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**Date:** 06/06/2012

**MSDS Prepared by:** Sensible Life Products

**Telephone:** (905) 528-7474

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## DISCLAIMER

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The information contained herein is believed to be accurate and also represents the best information obtained by the manufacturer and recognized technical sources. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to evaluate the information contained in this sheet along with the safe uses of the product. Good personal hygienic practices should be followed.

Sensible Life Products assumes no responsibility for injury or damage from the use of Benefect Botanical Disinfectant that in any way differs from what is provided in the label directions.