

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: 7 Innovation Drive, Flamborough, Ontario L9H 7H9
Telephone: (905) 690-7474
Emergency Phone: (905) 690-7474

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

SECTION II – ACTIVE INGREDIENTS

Ingredients	CAS#	WT%	ACGIH-TLV	LD ₅₀
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 (H₂O=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

SECTION VI – TOXICOLOGICAL PROPERTIES

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.

SECTION VII – ECOLOGICAL DATA

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)

SECTION VIII – PREVENTATIVE MEASURES

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.

SECTION IX – FIRST AID

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

SECTION X – PREPARATION INFORMATION

Date: 2011/07/20

MSDS Prepared by: Sensible Life Products

Telephone: (905) 690-7474

DISCLAIMER

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.