

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT IDENTIFICATION

Product Name: Benefect® Botanical Disinfectant
Product Use: Disinfectant
WHMIS Class: Exempt – Registered Product – DIN # 02242474
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	0.1 – 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.
WHMIS Ingredient Disclosure List & WHMIS Controlled Products: 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 required.
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
Odour: Lemon – spice

SECTION IV – FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria
Hazardous Combustion Products: None
Auto-ignition Temperature: Non-combustible

Flash Point (°C, TCC): None
LEL: Not applicable
UEL: Not applicable

SECTION V – REACTIVITY DATA

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

Incompatible Materials: Not known

SECTION VI – TOXICOLOGICAL PROPERTIES

Route of Entry: Inhalation most likely

ACUTE TOXICITY EXPOSURE:

Route of Exposure	Result	Reference/Verification Test
Ingestion	No Effect (>5000 mg/kg)	Health Canada Toxicity Profile Review
Dermal Toxicity	No Effect (>5000 mg/kg)	Health Canada Toxicity Profile Review
Inhalation	No Effect (>2 mg/L)	Health Canada Toxicity Profile Review
Eye Irritation	No Effect (Minimal irritation)	Health Canada Toxicity Profile Review
Skin Irritation	No Effect (No irritation)	Health Canada Toxicity Profile Review
Dermal Sensitization	Non-Sensitizer	

SUMMARY (as per Health Canada Toxicity Profile Review for DIN 02242474):

Signal Word (e.g. DANGER, WARNING or CAUTION): None required on product label, due to no toxicity for all routes of exposure.

Precautionary Statements: None are required on product label.

First Aid Statements: None are required on product label.

Irritancy: Ingredients are "Non-hazardous" by WHMIS criteria

Carcinogenicity: Ingredients are "Non-hazardous" by WHMIS criteria

EFFECTS OF CHRONIC EXPOSURE: Does not contain any recognized carcinogens, mutagens or reproductive toxicants.

SECTION VII – ECOLOGICAL DATA

Biodegradability: "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)
EcoLogo: Certification Awarded (Disinfectant Category #166 Criteria)

SECTION VIII – PREVENTATIVE MEASURES

Gloves: None required

Eye Protection: None required

Respiratory Protection: None required

Other Protective Equipment: None required by WHMIS

Engineering Controls: General ventilation adequate

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent extremely large spills from entering sewers or waterways. Contact supplier for advice.

Waste Disposal: In accordance with federal & provincial government requirements prior to disposal. Recycle empty container.

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: 2011/02/16 **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.