

# 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:** 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.  
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 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  
**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

**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)

**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:** 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:** 2012/06/06

**MSDS Prepared by:** Sensible Life Products

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

## 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.