

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT IDENTIFICATION

**Product Name:** mr natural® Botanical Disinfectant  
**Product Use:** Disinfectant  
**D.O.T. Classification:** Not Regulated  
**TDG Classification:** Not Regulated  
**Manufacturer:** mr natural® environmental engineers  
**Address:** 400-601 W.Broadway, Vancouver, BC, Canada V5Z 4C2  
**Telephone:** (604) 267-3004  
**Emergency Phone:** (604) 267-3004

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  
**NOHSC:** Non-Dangerous Goods

SECTION VI – TOXICOLOGICAL PROPERTIES

Route of Entry: Inhalation most likely

ACUTE TOXICITY EXPOSURE:

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

SUMMARY

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)

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: 2015/03/10 MSDS Prepared by: mr natural® environmental engineers Telephone: (604) 267-3004

400-601 West Broadway  
Vancouver, BC V5Z 4C2

Toll-free 1 (855) sonatural  
Office (604) 267-3004  
Email info@mrnatural.ca