

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT IDENTIFICATION

Product Name: Benefect® Botanical Disinfectant
Product Use: Disinfectant
Regulatory Class: Registered Product – EPA # 84663-1-74771
D.O.T. Classification: Not Regulated
TDG Classification: Not Regulated
Manufacturer: Sensible Life Products
Address: 7 Innovation Drive, Fiamborough, Ontario L9H 7H9
Telephones: (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
Oil, 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

SECTION IV – FIRE AND EXPLOSION DATA

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

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

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 84663-1
Dermal Toxicity	EPA Category IV (>5000 mg/kg)	EPA Toxicity Profile Review for 84663-1
Inhalation	EPA Category IV (>2 mg/L)	EPA Toxicity Profile Review for 84663-1
Eye Irritation	EPA Category IV ("minimal effects")	EPA Toxicity Profile Review for 84663-1
Skin Irritation	EPA Category IV ("no irritation")	EPA Toxicity Profile Review for 84663-1
Dermal Sensitization	Non-Sensitizer	EPA Toxicity Profile Review for 84663-1

SUMMARY (as per EPA Toxicity Profile Review for 84663-1):
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"
 (65% 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 requirements, 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 hygiene 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.

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Diocese of Lansing

Biological Incident Clean-up Instructions

Typically the Diocese of Lansing does not have individuals whose primary job involves regular exposure to blood or other potentially infectious materials (OPIM) such as vomit, urine, feces, and other body fluids. However, there are non-routine tasks where teachers, office staff, and custodians may have to assist in dealing with blood or OPIM. Individuals whose job involves regular exposure (i.e., school nurses) should refer to the diocesan policy in their Exposure Control Plan for Bloodborne Pathogens.

CONTENTS OF BIOLOGICAL INCIDENT KIT:

- ◆ Nitrile gloves
- ◆ Safety glasses
- ◆ Surgical style mask
- ◆ Disposable towels
- ◆ Benefect spray disinfectant
- ◆ Two (2) heavy duty plastic bags or trash bags NOT labeled "Biohazard"
- ◆ Order card to replace used Biological Incident Kit after each use



Instructions

The following instructions and procedures are for teachers, office staff, custodians, and others who may have to address incidents such as the clean-up of minor to moderate spills of vomit, urine, feces, blood and other body fluids on a non-routine basis.

1. Keep people away from the biological incident area.
2. Don a surgical style mask followed by safety glasses.
3. Don nitrile gloves.
4. Cover the spill area with disposable towels or disposable absorbent material and allow them to completely absorb the biological material.
5. Dispose of the soaked towels or absorbent material in a heavy duty plastic bag or trash bag and **DO NOT** label it with the word "Biohazard."
6. Spray the affected non-porous biological incident area with Benefect disinfectant solution.
7. Wipe up the Benefect disinfectant solution with disposable paper towels.
8. Dispose of the paper towels in the heavy duty plastic bag or trash bag.
9. Repeat the process of spraying the affected area with Benefect disinfectant solution and wiping dry.
10. For biological incidents larger than suitable for disposable towels, use a mop and bucket.
 - a. Follow steps 1-3 above.
 - b. Prepare a bucket with water and standard cleaner.
 - c. Dip, wring, and mop up biological spill.
 - d. Dip, wring, and mop once more.
 - e. Spray cleaned surfaces with Benefect disinfectant solution and allow to dry.
 - f. Dip mop in bucket and wring out until all excess liquid is removed.
 - g. Remove mop head and dispose of it in the plastic bag, or spray mop head thoroughly with Benefect disinfectant solution and launder in hot water.
 - h. Dispose of water from the bucket in a toilet.
 - i. Rinse the bucket with clean water and dispose of rinse water in a toilet.
 - j. Spray the bucket with Benefect disinfectant solution.
11. Visually check the contents of the bag to ensure that no liquids are pooled in the bottom.
 - a. If liquids are present, add more towels or other absorbent material until all liquid is absorbed.
 - i. This step is extremely important as the OSHA/MIOSHA bloodborne pathogens standard defines regulated waste as "liquid or semi-liquid blood or other potentially infectious material (OPIM); contaminated items that would release blood or OPIM in a liquid or semi-liquid state if compressed".
 - b. Open the spray bottle and pour the rest of the Benefect disinfectant solution on the contaminated material. Add more towels if necessary to ensure that liquid will not be released if the bag is compressed.
12. Seal the disposal bag by tying or taping shut.
13. Place the sealed bag inside a second bag.
14. Remove the nitrile gloves from your hands and place in them the second plastic bag on top of the sealed bag.
15. Remove the mask and safety glasses and place them in the second bag.
16. Seal the second (outer) bag and throw away as regular trash.
17. Wash hands thoroughly.
 - a. Use soap and warm running water. Rub hands together for approximately 10 seconds to work up lather. Scrub between fingers, knuckles, backs of hands, and nails. Rinse hands under warm running water. Running water is necessary to carry away debris and dirt. Use paper towels to thoroughly dry hands.
18. Reorder Biological Incident Kit.

QUESTIONS?

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