

SAFETY DATA SHEET

SECTION 1 : PRODUCT IDENTIFICATION



DIN: 02499487 **Botanical Disinfectant** Solution

Product Name : EFASCIDE

Product Use : Surface Disinfectant

Scent: Lemongrass Grapefruit

Recommended Restrictions: None Known

Distributor: EFAS SAFETY SUPPLY

Address: 103 - 5371 Regent Street, Burnaby

Telephone: 1-833-294-3327

Emergency phone: 1-833-294-3327

E-Mail: info@efassafety.com

Web site: www.EfasSafety.com

Manufacturer: Laboratoire M2

Address: 4005-A rue de la Garlock, Sherbrooke, QC

Telephone: 819-563-00698

Emergency phone: 1-866-898-0697

E-Mail: info@thymox.com

SECTION 2 : HAZARD IDENTIFICATION

Physical hazards	Exempt - Registered product - (DIN 02499487).
Health hazards	Exempt - Registered product - (DIN 02499487).
Environmental hazards	Exempt - Registered product - (DIN 02499487).
WHMIS 2015 defined hazards	Exempt - Registered product - (DIN 02499487).
Label elements	
Hazard symbol	Exempt - Registered product - (DIN 02499487).
Signal word	Exempt - Registered product - (DIN 02499487).
Hazard statement	Exempt - Registered product - (DIN 02499487).
Precautionary statement	
Prevention	Exempt - Registered product - (DIN 02499487).
Response	Exempt - Registered product - (DIN 02499487).
Storage	Exempt - Registered product - (DIN 02499487).
Disposal	Exempt - Registered product - (DIN 02499487).
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	Exempt - Registered product - (DIN 02499487).
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	Exempt - Registered product - (DIN 02499487).
Hazard(s) not otherwise classified (HNOC)	Exempt - Registered product - (DIN 02499487).
Supplemental information	CANADA: Exempt - Registered product - (DIN 02499487).

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, or any consumer product as defined in section 2 of the Canada Consumer Product Safety Act.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Common name and synonyms	CAS Number	Wt %
Thymol		89-83-8	0.23

Composition comments Not applicable to DIN products. Refer to product label for active ingredient content.

SECTION 12 : ECOLOGICAL INFORMATION

Biodegradability: 100% biodegradable in less than 14 days per OECD 301E method.

Aquatic toxicity: Not toxic to aquatic life (IC50 > 100 mg/L, report EPS 1 / RM / 24)

Method: Microtox® Acute Toxicity Test

Test organism: *Vibrio fischeri*

Results: CI 50-5 min 560mg/l
IC 95 %-5 min 500-600 mg/L
CI 50-15 min 660 mg/L
IC 95 %-15 min 540-780 mg/L

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose according to existing federal, state/provincial and municipal regulations. This product is biodegradable. Refer to product label.

SECTION 14 : TRANSPORT INFORMATION

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT) Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG -Canada) Not regulated as dangerous goods.

IATA/ICAO (Air) Not regulated as dangerous goods.

SECTION 15 : REGULATORY INFORMATION

U.S. EPA registration: 87742-1

Health Canada: DIN 02449487

California Proposition 65: No chemicals in this material are subject to the reporting requirements.

NSF Registration No. 157263

Canadian federal regulations

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

Exempt - Registered product - (DIN 02449487).

READ LABEL BEFORE USE

CAUTION: Users with sensitive skin should take additional precautions. Avoid contact with eyes and skin. KEEP OUT OF REACH OF CHILDREN. Do not ingest. Not approved for use in neonatal services in hospitals. Store in original container, between 15°C and 30°C.

SECTION 4 : FIRST AID MEASURES

Eye: Remove contact lenses. Rinse with plenty of water for several minutes, keeping eyelids open.

Skin: Rinse with water. Remove spoiled clothes and wash before wearing.

Inhalation : N/A If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Seek medical attention if large quantities are ingested.

SECTION 5 : FIRE FIGHTING MEASURES

Flammability : No Does not sustain combustion

Flash Point (ASTM D-93, °C) : >100

Hazardous Combustion Products: Carbon oxides, sulfur oxides.

Suitable extinguishing media: As per surrounding fire.

Special Fire Fighting Procedure: As per surrounding fire.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Stop leak, Rinse to drain or absorb with non-reactive adsorbent and dispose according to existing federal, state, provincial and municipal regulations. Resume cleaning by rinsing with water.

SECTION 7 : HANDLING AND STORAGE

Handling: Follow standard safe handling of materials. Keep out of reach of children.

Storage Requirements: Keep in original tightly closed containers, in a room between 15 °C and 30 °C.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Not normally required. Follow label instructions.

Skin protection

Hand protection Not normally required. Follow label instructions.

Other Follow label instructions.

Respiratory protection Not normally required. Follow label instructions. Use general ventilation.

Thermal hazards Not applicable.

General hygiene considerations When using do not smoke. Always observe good personal hygiene measures, such as washing hands after handling the material.

SECTION 9 : PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State : Liquid Boiling Point (°C) : 100 Vapour Pressure (mm Hg) : N/A Vapour Density (Air = 1) : N/A Solubility in water : complete Physical State : liquid Appearance: transparent to translucent Odour: thyme/lemongrass scent Oxidizing properties : Not oxidizing	Density (g/mL): 0.999 at 23 °C VOC (Wt %) : calculated approx. <1% Evaporation Rate (Water + 1) : water like Odour Threshold (ppm) : N/A pH (as supplied) : 4.0 – 6.0 Viscosity : water like Flash point: > 212.0 °F (> 100.0 °C) Closed Cup Explosive properties: Not explosive
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SECTION 10 : STABILITY AND REACTIVITY DATA

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Do not freeze. Do not mix with other chemicals.
Incompatible materials	Strong acids. Strong oxidizing agents.
Hazardous Decomposition	Not corrosive to SAE 1020 Steel or non-clad Aluminum based on test data (UN Manual of Tests and Criteria, Part III, Section 37.1 -Corrosion to metals). May include and are not limited to: Oxides of carbon.
Conditions for Chemical Instability	This product is stable under normal conditions. It does not polymerize.

SECTION 11 : TOXICOLOGICAL INFORMATION

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact	Not expected to be a primary skin irritant.
Eye Contact	Direct contact with eyes may cause temporary irritation. Minimal, all effects cleared in 24 hours
Dermal Irritation	Slight, no erythema or edema at 72 hours

Components	Species	Test Results
Thymol (CAS 89-83-8)		
Acute	<i>Dermal</i> LD50 Rat	> 2000 mg/kg, 24 Hours, ECHA
	<i>Inhalation</i> LC50 Not available	
	<i>Oral</i> LD50 Rat	980 mg/kg, ECHA

Skin corrosion/irritation	Not available.	Respiratory or skin sensitization
Exposure minutes	Not available.	Respiratory sensitization
Erythema value	Not available.	Not a respiratory sensitizer.
Oedema value	Not available.	Skin sensitization
Serious eye damage/eye irritation	Not available.	Not available.
Corneal opacity value	Not available.	Mutagenicity
Iris lesion value	Not available.	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Conjunctival reddening value	Not available.	Carcinogenicity
Conjunctival oedema value	Not available.	See below.
Recover days	Not available.	OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
		Not listed.

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Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions

Not applicable (Health Canada listed label)

US federal regulations

This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

No

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US state regulations

See below

US -Texas Effects Screening Levels: Listed substance

Thymol (CAS 89-83-8) Listed.

US. California Proposition 65

Not Listed.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

SECTION 16 : OTHER INFORMATION

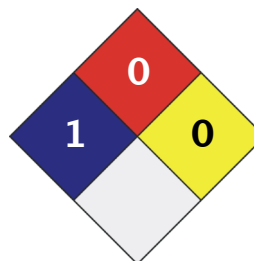
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Prepared by: EFAS SAFETY.

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LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.