

1. Identification

Product identifier	Thymox Disinfectant Spray
Other means of identification	Not available.
Recommended use	Hard Surface Disinfectant, Fungicide, Bactericide and Virucide
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	Product Code: 120348
Manufacturer	
Company name	Laboratoire M2
Address	2801, rue de l'Ecuyer Hatley, QC J0B 2C0 Canada
Telephone	819-563-0698
E-mail	info@thymox.com
Emergency phone number	1-866-898-0697

2. Hazards Identification

Physical hazards	Exempt - Registered Product - (EPA 87742-1).
Health hazards	Exempt - Registered Product - (EPA 87742-1).
Environmental hazards	Exempt - Registered Product - (EPA 87742-1).
OSHA defined hazards	Exempt - Registered Product - (EPA 87742-1).
Label elements	
Hazard symbol	Exempt - Registered Product - (EPA 87742-1).
Signal word	Exempt - Registered Product - (EPA 87742-1).
Hazard statement	Exempt - Registered Product - (EPA 87742-1).
Precautionary statement	
Prevention	Exempt - Registered Product - (EPA 87742-1).
Response	Exempt - Registered Product - (EPA 87742-1).
Storage	Exempt - Registered Product - (EPA 87742-1).
Disposal	Exempt - Registered Product - (EPA 87742-1).
Hazard(s) not otherwise classified (HNOC)	Exempt - Registered Product - (EPA 87742-1).
Supplemental information	<p>Non-hazardous by WHMIS 2015 /OSHA Hazcom 2012 GHS criteria</p> <p>US: Exempt - Registered product - (EPA 87742-1).</p> <p>This is an EPA registered product. This material can only be used commercially in the EPA registered application(s) noted on the product label.</p> <p>Classified as a Category IV by the U.S. Environmental Protection Agency (EPA) per toxicity profile Review for all routes of exposure: no signal words, no precautionary statements or first aid statements required on product label.</p>

3. Composition/Information on Ingredients

Mixtures

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

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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

4. First Aid Measures

Inhalation	No particular requirements. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	No particular requirements. In case of contact with skin, flush thoroughly with water; seek medical attention if necessary.

Eye contact	No particular requirements. In case of contact with eyes, flush thoroughly with water; seek medical attention if necessary.
Ingestion	No particular requirements. If ingested, call a poison control center.
Most important symptoms/effects, acute and delayed	Headache. May cause eye irritation.
General information	Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Does not sustain combustion.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away.
Methods and materials for containment and cleaning up	Use water spray to reduce vapors or divert vapor cloud drift. Following product recovery, flush area with water. Never return spills to original containers for re-use.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and Storage

Precautions for safe handling	Wash thoroughly after handling. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	Store at room temperature (20-25°C)(68°F-77°F) in a secure area inaccessible to children. Do not contaminate water, food or feed by storage or disposal.

8. Exposure Controls/Personal Protection

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 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	Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid.
Color	Transparent to Translucent
Odor	Thyme / Spicy

Odor threshold	Not available.
pH	4.0 - 6.0
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C)
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	> 212.0 °F (> 100.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	< 100 cps @ 25°C
Other information	Does not sustain combustion.
VOC	Calculated: approximately <1%

10. Stability and Reactivity

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 products	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.

11. Toxicological Information

Information on likely routes of exposure	
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	Acute Dermal Irritation: Slight, no erythema or edema at 72 hours (EPA Category IV). Direct contact with eyes may cause temporary irritation.
Ingestion	Acute Eye Irritation: Minimal, all effects cleared in 24 hours (EPA Category IV). May cause stomach distress, nausea or vomiting.
Symptoms related to the physical, chemical and toxicological characteristics	Not available.
Information on toxicological effects	
Acute toxicity	slight irritation

Product	Species	Test Results
Thymox Disinfectant Spray (CAS Mixture)		
<i>Dermal</i>		
LD50	Rat	> 5000 mg/kg, (EPA Category IV)
<i>Inhalation</i>		
LC50	Rat	> 2.1 mg/L, (EPA Category IV)
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, (EPA Category IV)
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	Acute Dermal Irritation: Slight, no erythema or edema at 72 hours (EPA Category IV).	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Acute Eye Irritation: Minimal, all effects cleared in 24 hours (EPA Category IV).	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Respiratory sensitization	Not available.	
Skin sensitization	Acute Dermal Irritation: Slight, no erythema or edema at 72 hours (EPA Category IV).	
Germ cell mutagenicity	Not available.	
Carcinogenicity	Non-hazardous by OSHA criteria.	
IARC Monographs. Overall Evaluation of Carcinogenicity	Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)	Not regulated.	
US. National Toxicology Program (NTP) Report on Carcinogens	Not listed.	
Reproductive toxicity	Not available.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not available.	
Aspiration hazard	Not available.	
Chronic effects	Not available.	
Further information	Not available.	

12. Ecological Information

Ecotoxicity 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

Ecotoxicological data

Components

Thymol (CAS 89-83-8)

Aquatic

Fish

Species

LC50

Fathead minnow (*Pimephales promelas*) 3.2 mg/L, 96 hours

Test Results

Persistence and degradability 100% biodegradable in less than 14 days per OECD 301E method.

Bioaccumulative potential Not available.

Partition coefficient n-octanol / water (log Kow)

Thymol

3.3

Mobility in soil Not available.

Mobility in general Not available.

Other adverse effects Not available.

13. Disposal Considerations

Disposal instructions Do not reuse or refill this container except as described in the directions for use. Refill only with this product. If not refilling, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Store containers and offer for recycling of material when in accordance with the local regulations. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

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.

15. Regulatory Information

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.

NSF Registration Number: 150508

EPA 87742-1

Keep out of reach of children.

Classified as a Category IV by the U.S. Environmental Protection Agency (EPA) per toxicity profile Review for all routes of exposure: no signal words, no precautionary statements or first aid statements required on product label.

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 regulated.

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.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations See below

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

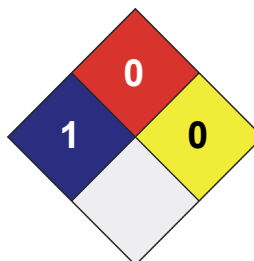
Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other Information

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 every 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.

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Further information Not available.

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