

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Thymox MULTISURFACE</b>
<b>Other means of identification</b>	Not available.
<b>Recommended use</b>	Hard Surface Disinfectant, Fungicide, Bactericide and Virucide
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	Laboratoire M2
<b>Address</b>	4005-A rue de la Garlock Sherbrooke, QC J1L 1W9 Canada
<b>Telephone</b>	819-563-0698
<b>E-mail</b>	info@thymox.com
<b>Emergency phone number</b>	1-866-898-0697
<b>Supplier</b>	See above.

## 2. Hazard identification

<b>Physical hazards</b>	Exempt - Registered product - (DIN 02518155).
<b>Health hazards</b>	Exempt - Registered product - (DIN 02518155).
<b>Environmental hazards</b>	Exempt - Registered product - (DIN 02518155).
<b>WHMIS 2015 defined hazards</b>	Exempt - Registered product - (DIN 02518155).
<b>Label elements</b>	
<b>Hazard symbol</b>	Exempt - Registered product - (DIN 02518155).
<b>Signal word</b>	Exempt - Registered product - (DIN 02518155).
<b>Hazard statement</b>	Exempt - Registered product - (DIN 02518155).
<b>Precautionary statement</b>	
<b>Prevention</b>	Exempt - Registered product - (DIN 02518155).
<b>Response</b>	Exempt - Registered product - (DIN 02518155).
<b>Storage</b>	Exempt - Registered product - (DIN 02518155).
<b>Disposal</b>	Exempt - Registered product - (DIN 02518155).
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)</b>	Exempt - Registered product - (DIN 02518155).
<b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b>	Exempt - Registered product - (DIN 02518155).
<b>Hazard(s) not otherwise classified (HNOC)</b>	Exempt - Registered product - (DIN 02518155).
<b>Supplemental information</b>	CANADA: Exempt - Registered product - (DIN 02518155).

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.

US: Not intended for sale.

## 3. Composition/Information on ingredients

### Mixture

<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS number</b>	<b>%</b>
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 DIN products.

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#### 4. First-aid measures

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**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.

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#### 5. Fire-fighting measures

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**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.

**Hazardous combustion products** May include and are not limited to: Oxides of carbon.

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#### 6. Accidental release measures

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**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up** Use water spray to reduce vapors or divert vapor cloud drift.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

**Environmental precautions** For waste disposal, see section 13 of the SDS. If large spill, avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

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#### 7. Handling and storage

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**Precautions for safe handling** Wash thoroughly after handling. When using do not eat or drink.

**Conditions for safe storage, including any incompatibilities** Keep out of reach of children. Store in original container, between 15°C and 30°C.

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## 8. Exposure controls/Personal protection

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<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	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.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Not normally required. Follow label instructions.
<b>Skin protection</b>	
<b>Hand protection</b>	Not normally required. Follow label instructions.
<b>Other</b>	Follow label instructions.
<b>Respiratory protection</b>	Not normally required. Follow label instructions. Use general ventilation.
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	When using do not smoke. 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.

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## 9. Physical and chemical properties

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<b>Appearance</b>	Liquid
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Transparent to Translucent
<b>Odor</b>	Thyme / Spicy
<b>Odor threshold</b>	Not available.
<b>pH</b>	4.0 - 6.0
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C)
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	> 212.0 °F (> 100.0 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	< 100 cps @ 25°C
<b>Other information</b>	Does not sustain combustion.
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

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## 10. Stability and reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Do not freeze. Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	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.

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## 11. Toxicological information

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<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.		
<b>Information on likely routes of exposure</b>			
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.		
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.		
<b>Skin contact</b>	Not expected to be a primary skin irritant.		
	Acute Dermal Irritation: Slight, no erythema or edema in 72 hours.		
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.		
	Acute Eye Irritation: Minimal, all effects cleared in 24 hours.		
	Headache.		
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>			
<b>Information on toxicological effects</b>			
<b>Acute toxicity</b>	slight irritation		
<b>Product</b>	<b>Species</b>	<b>Test Results</b>	
Thymox MULTISURFACE (CAS Mixture)			
<i>Dermal</i>			
LD50	Rat	> 5000 mg/kg	
<i>Inhalation</i>			
LC50	Rat	> 2.1 mg/L	
<i>Oral</i>			
LD50	Rat	> 5000 mg/kg	
<b>Components</b>	<b>Species</b>	<b>Test Results</b>	
Thymol (CAS 89-83-8)			
<b>Acute</b>			
<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	
<b>Skin corrosion/irritation</b>	Acute Dermal Irritation: Slight, no erythema or edema at 72 hours.		
<b>Exposure minutes</b>	Not available.		
<b>Erythema value</b>	Not available.		
<b>Oedema value</b>	Not available.		
<b>Serious eye damage/eye irritation</b>	Acute Eye Irritation: Minimal, all effects cleared in 24 hours.		
<b>Corneal opacity value</b>	Not available.		
<b>Iris lesion value</b>	Not available.		
<b>Conjunctival reddening value</b>	Not available.		
<b>Conjunctival oedema value</b>	Not available.		
<b>Recover days</b>	Not available.		
<b>Respiratory or skin sensitization</b>			
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.		
<b>Skin sensitization</b>	Not considered to be a positive contact sensitizer.		
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
<b>Carcinogenicity</b>	See below.		
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>			
Not listed.			
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.		
<b>Teratogenicity</b>	Not available.		

<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not available.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

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## 12. Ecological information

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<b>Ecotoxicity</b>	Not toxic to aquatic life (IC50 > 100 mg/L, report EPS 1 / RM / 24) Method: Microtox® Acute Toxicity Test Test organism: <i>Vibrio fischeri</i> Results: CI 50:    5 min 560 mg/L            15 min 660 mg/L IC 95 %:  5 min 500-600 mg/L    15 min 540-780 mg/L	
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### Ecotoxicological data Components

Components	Species	Test Results
Thymol (CAS 89-83-8)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 3.2 mg/L, 96 hours
<b>Persistence and degradability</b>	100% biodegradable in less than 14 days per OECD 301E method.	
<b>Bioaccumulative potential</b>		
<b>Mobility in soil</b>	No data available.	
<b>Mobility in general</b>	Not available.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

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## 13. Disposal considerations

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<b>Disposal instructions</b>	Rinse container prior to recycling. Dispose of any unused or waste product in compliance with provincial and local regulations. For more information, contact provincial regulation authorities.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	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.

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## 14. Transport information

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<b>Transport of Dangerous Goods (TDG) Proof of Classification</b>	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.
<b>U.S. Department of Transportation (DOT)</b>	Not regulated as dangerous goods.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	Not regulated as dangerous goods.
<b>IATA/ICAO (Air)</b>	Not regulated as dangerous goods.

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## 15. Regulatory information

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<b>Canadian federal regulations</b>	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 02518155).  READ LABEL BEFORE USE  CAUTION: Users with sensitive skin should take additional precautions. 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.
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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

**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**

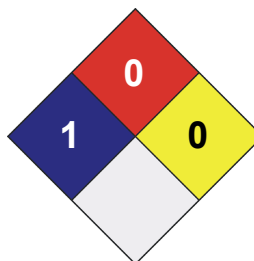
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

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

**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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<b>Further information</b>	Not available.