

SECTION 1 Identification**1.1. Product identifier**

Product form	: Substance
Trade name	: Lexol™ IPM-NF MB
Chemical name	: Tetradecanoic acid 1-methylethyl ester
CAS-No.	: 110-27-0
Product code	: 62123
Formula	: C17H34O2

1.2. Other means of identification

Synonyms	: INCI: Isopropyl Myristate
Other means of identification	: Isopropyl myristate
EC-No.	: 203-751-4

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	: Cosmetics, personal care products
Restrictions on use	: This product is not intended for ingestion as food, medicine, or a nutritional supplement.

1.4. Supplier's details

Inolex, Inc.
601 Walnut Street, Suite 220
Philadelphia, PA 19106
United States
T +1 215-271-0800 - F +1 215-271-2621
inolex.com

1.5. Emergency phone number

Emergency number	: +1-800-424-9300 (USA) and +1 703 527 3887 (international)
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SECTION 2 Hazard Identification**2.1. Classification of the substance or mixture****GHS US classification**

Not classified

2.2. Label elements**GHS US labeling**

No labeling applicable

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 3 Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : Lexol™ IPM-NF MB
CAS-No. : 110-27-0

Name	Product identifier	%	GHS US classification
Isopropyl Myristate	CAS-No.: 110-27-0	100	Not classified

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
Symptoms/effects after ingestion : None under normal conditions.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.
Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Store in original, sealed containers at cool to moderate temperatures (< 35°C) indoors.
Packaging materials : Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: clear
Odor	: odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: < 25 °C
Freezing point	: No data available
Boiling point	: 193 °C 20 mmHg
Flash point	: 180 °C
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 0.01246 Pa Temp.: 25 °C
Relative vapor density at 20°C	: 9.3
Relative density	: 0.85
Density	: 853.2 kg/m³ Type: 'density' Temp.: 20 °C
Molecular mass	: 270.51 g/mol
Solubility	: Insoluble in water. Water: 0.006408 mg/l
Partition coefficient n-octanol/water (Log Pow)	: 7.17
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 3.932 mm²/s Temp.: '40°C' Parameter: 'kinematic viscosity (in mm²/s)'
Viscosity, dynamic	: 5 cP
Explosion limits	: No data available
Explosive properties	: None.
Oxidizing properties	: Non oxidizing material.
Particle characteristics	: No data available

Isopropyl Myristate

Particle characteristics	No data available
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9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Lexol™ IPM-NF MB (110-27-0)

LD50 oral rat	> 10000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 41000 mg/m ³

Isopropyl Myristate (110-27-0)

LD50 oral rat	> 10000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 41000 mg/m ³

Skin corrosion/irritation : Not classified ()

Isopropyl Myristate (110-27-0)

pH	7
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Serious eye damage/irritation : Not classified ()

Isopropyl Myristate (110-27-0)

pH	7
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Respiratory or skin sensitization : Not classified ()

Germ cell mutagenicity : Not classified

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Lexol™ IPM-NF MB (110-27-0)

Viscosity, kinematic	3.932 mm²/s Temp.: '40°C' Parameter: 'kinematic viscosity (in mm²/s)'
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Isopropyl Myristate (110-27-0)

Viscosity, kinematic	3.932 mm²/s Temp.: '40°C' Parameter: 'kinematic viscosity (in mm²/s)'
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Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : None under normal conditions.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Lexol™ IPM-NF MB (110-27-0)

LC50 - Fish [1]	8400 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio)
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EC50 - Crustacea [1]	100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)
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EC50 72h - Algae [1]	< 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
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EC50 96h - Algae [1]	0.007 mg/l Source: ECOSAR
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NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
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Isopropyl Myristate (110-27-0)

LC50 - Fish [1]	8400 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio)
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EC50 - Crustacea [1]	100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)
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EC50 96h - Algae [1]	0.007 mg/l Source: ECOSAR
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NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
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12.2. Persistence and degradability

Lexol™ IPM-NF MB (110-27-0)

Persistence and degradability	Rapidly degradable
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Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Isopropyl Myristate (110-27-0)

Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.74 g O ₂ /g substance
ThOD	2.9 g O ₂ /g substance

12.3. Bioaccumulative potential

Lexol™ IPM-NF MB (110-27-0)

Partition coefficient n-octanol/water (Log Pow)	7.17
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Isopropyl Myristate (110-27-0)

Partition coefficient n-octanol/water (Log Pow)	7.17
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)	: Not regulated
Proper Shipping Name (TDG)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated

14.3. Transport hazard class(es)

DOT	
Transport hazard class(es) (DOT)	: Not regulated

TDG	
Transport hazard class(es) (TDG)	: Not regulated

IMDG	
Transport hazard class(es) (IMDG)	: Not regulated

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

IATA

Transport hazard class(es) (IATA Dangerous Goods Regulation (DGR) 66th Edition, 2025) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated
Packing group (TDG) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Isopropyl Myristate	110-27-0	Present	Active	

15.2. International regulations

No additional information available

15.3. State regulations

No additional information available

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 8/6/2025

Issue date : 2/13/2020

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Indication of changes:		
Section	Changed item	Comments
	Supersedes	Modified
1	Formula (Override)	Added
1	Other means of identification	Added
2.1	GHS-US classification	Removed
4	Symptoms/effects after skin contact	Added
4	Symptoms/effects after inhalation	Added
4	Symptoms/effects after ingestion	Added
4	Symptoms/effects after eye contact	Added
4	First-aid measures general	Added
5.1	Unsuitable extinguishing media	Added
5.2	Fire hazard	Added
5.2	Explosion hazard	Added
5.3	Firefighting instructions	Added
6	For containment	Added
6	Emergency procedures	Added
6	Protective equipment	Added
6	General measures	Added
7.1	Additional hazards when processed	Added
7.2	Packaging materials	Added
7.2	Technical measures	Added
8	Formula (Override)	Added
8.2	Personal protective equipment	Added
9	Molecular mass	Added
9	Partition coefficient n-octanol/water (Log Pow)	Added
9	Relative density	Added
9	Relative vapor density at 20°C	Added
9	Viscosity, dynamic	Added
9	Vapor pressure	Added
9	Density	Added
9	Viscosity, kinematic	Added
11	LD50 dermal rabbit	Added

Lexol™ IPM-NF MB

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

11	LC50 Inhalation - Rat	Added
11	LD50 oral rat	Added
12.1	LC50 - Fish [1]	Added
12.1	EC50 - Crustacea [1]	Added
12.1	EC50 96h - Algae [1]	Added
12.1	NOEC (chronic)	Added
12.1	EC50 72h - Algae [1]	Added
13	Product/Packaging disposal recommendations	Added
13	Sewage disposal recommendations	Added
13	Additional information	Added
13	Regional waste regulation	Added

Safety Data Sheet (SDS), USA

The information produced on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.