

Emol IPM

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Emol IPM**

Product Code(s) : Not available.

Recommended use of the chemical and restrictions on use

: Personal care No restrictions on use known.

Chemical family : Organic materials

Name, address, and telephone number of the supplier:

Essential Ingredients

2408 Tech Center Parkway
Suite 200
Lawrenceville, GA, US
30043

Supplier's Telephone # : (770) 831-9010

24 Hr. Emergency Tel # : (800) 424-9300 (CHEMTREC)

Name, address, and telephone number of the manufacturer:

Refer to supplier



SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Label elements

Signal Word

None required.

Hazard statement(s)

Not regulated.

Precautionary statement(s)

Keep out of the reach of children.

Other hazards

None expected, when used as intended.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration</u>
Isopropyl myristate		110-27-0	100.00

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion : Not likely to be toxic unless large amounts ingested. Do not induce vomiting, unless directed to do so by qualified medical personnel. IF exposed or concerned: Get medical attention/advice.

Inhalation : Remove exposed person to fresh air if adverse effects, such as breathing difficulty arise. If experiencing respiratory symptoms call a POISON CENTRE or doctor/physician.

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- Skin contact* : For skin contact, wash with soap and water while removing contaminated clothing. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.
- Eye contact* : Flush eyes with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention/advice.

Most important symptoms and effects, both acute and delayed

- : Harmful effects are not expected under normal usage.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically. IF exposed or concerned: Get medical attention/advice.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media*Suitable extinguishing media*

- : Carbon dioxide, dry chemical or alcohol foam.

Unsuitable extinguishing media

- : Water spray may ONLY be useful in cooling equipment exposed to heat and flame.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Not flammable under normal conditions of use.

Flammability classification (OSHA 29 CFR 1910.106)

- : Combustible IIIB

Hazardous combustion products

- : Oxides of carbon, toxic fumes, various hydrocarbons, aldehydes.

Special protective equipment and precautions for firefighters*Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Ecological injuries are not known or expected under normal use.

Methods and material for containment and cleaning up

- : Contain material by diking the area around the spill. Wipe or scrape spilled material, or use a suitable absorbent material. Collect in a recovery container for disposal according to applicable regulations.

Special spill response procedures

- : Avoid heat, open flames, sparks, static electricity and electrical equipment.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Keep in properly labelled containers. Avoid excessive heat, sparks and open flame. Avoid generating dust, and do not allow dust build-up. Ground all equipment during handling.

Conditions for safe storage

- : Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Keep away from direct sunlight.

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Incompatible materials : Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Isopropyl myristate	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: Mechanical assisted ventilation may be necessary.

Respiratory protection

: Use NIOSH/MSHA approved full-face respirator with an organic vapour cartridge if the recommended exposure limit is exceeded.

Skin protection

: Chemical-resistant impervious gloves, such as Neoprene or nitrile rubber, should be worn where skin contact is a risk.

Eye / face protection

: Wear safety goggles or glasses as appropriate for the job.

Other protective equipment

: Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

: Wash hands thoroughly after using this product, and before eating, drinking or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear colourless liquid. c

Odour : Mild odour.

Odour threshold : N/Av

pH : N/Av

Melting/Freezing point : <25 °C

Initial boiling point and boiling range

: 170°C (10 hPa)

Flash point : 150°C

Flashpoint (Method) : N/Av

Evaporation rate (BuAe = 1) : N/Av

Flammability (solid, gas) : N/Av

Lower flammable limit (% by vol.)

: N/Av

Upper flammable limit (% by vol.)

: N/Av

Oxidizing properties : None known.

Explosive properties : N/Av

Vapour pressure : <1 hPa (20° C)

Vapour density : 9.4 (Air=1.0)

Relative density / Specific gravity

: 0.85 @ 25°C

Solubility in water : Insoluble.

Other solubility(ies) : Not known.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: Not determined.

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Auto-ignition temperature : N/Av
Decomposition temperature : N/Av
Viscosity : Not determined.
Volatiles (% by weight) : N/Av
Volatile organic Compounds (VOC's)
: N/Av
Absolute pressure of container
: N/Av
Flame projection length : N/Av
Other physical/chemical comments
: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions
: Hazardous polymerization does not occur.
Conditions to avoid : Avoid contact with incompatible materials.
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products
: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES
Routes of exposure skin absorption
: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: Not a respiratory irritant.

Sign and symptoms ingestion

: May cause nausea, vomiting, and diarrhea.

Sign and symptoms skin

: May cause mild skin irritation on prolonged contact.

Sign and symptoms eyes

: May cause mild irritation, redness and watering.

Potential Chronic Health Effects

: None known or reported by the manufacturer.

Mutagenicity

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

: No component of this product present at levels greater than, or equal to, 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, IARC, OSHA, or NTP.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

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Specific target organ effects : No data available to indicate the product, or any components present at greater than 1%, are classified as hazardous for target organ toxicity.

Medical conditions aggravated by overexposure

: None known or reported by the manufacturer.

Synergistic materials

: None known.

Toxicological data

: See below for toxicological data on the substance.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u>	<u>LD₅₀</u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Isopropyl myristate	41,000 mg/m ³ , 1 hr (Rat)	>16,000 mg/kg (Rat), 49,700 mg/kg (Mouse)	5000 mg/kg (rabbit)

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : No data is available on the product itself.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC₅₀ / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Isopropyl myristate	110-27-0	>100 mg/L (fish, 48 hr)	N/Av	

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC₅₀ / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Isopropyl myristate	110-27-0	48 Hr EC ₅₀ Daphnia magna: 100 mg/L	N/Av	

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC₅₀ / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Isopropyl myristate	110-27-0	72 Hr EC ₅₀ Desmodesmus subspicatus: >100 mg/L	N/Av	

Persistence and degradability

: Not known.

Bioaccumulation potential

: This product has no known eco-toxicological effects.

<u>Components</u>	<u>Partition coefficient n-octanol/ater (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
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Mobility in soil : Expected to be ultimately biodegradable

Other Adverse Environmental effects

: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

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Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA : It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity (RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Isopropyl myristate	110-27-0	Yes	N/Ap	N/Av	No	NS

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TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory. SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Isopropyl myristate	110-27-0	No	N/Ap	No	No	No	No	No	No

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Information:

Canadian Environmental Protection Act (CEPA): All ingredients listed appear on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

Canadian National Pollutant Release Inventory (NPRI): This product contains the following substances listed on the NPRI: None known.

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Isopropyl myristate	110-27-0	203-751-4	Present	Present	(2)-798	KE-33355	Present	

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EC50: Effective Concentration 50%.
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IBC: Intermediate Bulk Container
- IECSC: Inventory of Existing Chemical Substances
- IMDG: International Maritime Dangerous Goods
- IOC: Inventory of Chemicals
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose

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MA: Massachusetts
 MN: Minnesota
 N/Ap: Not Applicable
 N/Av: Not Available
 NIOSH: National Institute of Occupational Safety and Health
 NJ: New Jersey
 NOEC: No observable effect concentration
 NTP: National Toxicology Program
 OECD: Organisation for Economic Co-operation and Development
 OSHA: Occupational Safety and Health Administration
 PA: Pennsylvania
 PEL: Permissible exposure limit
 PICCS: Philippine Inventory of Chemicals and Chemical Substances
 RCRA: Resource Conservation and Recovery Act
 RI: Rhode Island
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 SDS: Safety Data Sheet
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TSCA: Toxic Substance Control Act
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2014.
- 2. International Agency for Research on Cancer Monographs, searched 2015.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2015 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - October 2012 version.
- 6. California Proposition 65 List - January 23, 2015 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

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Other special considerations for handling

: None known.

HMIS Rating

: *- Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious

Health: 0 *Flammability:* 1 *Reactivity:* 0

NFPA Rating

0 - Minimal 1 - Slight 2 - Moderate 3 - Serious

: *Health:* 0 *Flammability:* 1 *Instability:* 0 *Special Hazards:*

<p><u>Prepared for:</u> Essential Ingredients 2408 Tech Center Parkway Suite 200 Lawrenceville, GA 30043 Phone (770) 831-9188 www.essentialingredients.com</p>	
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