

## ISOPROPYL MYRISTATE – SAFETY DATA SHEET

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### PRODUCT IDENTIFIER

Product name (as on label)	Isopropyl Myristate
Synonyms	1-Tridecanecarboxylic acid, isopropyl ester, Bisomel, Crodamol I.P.M., Delyl Extra, Emcol-IM, Emerest 2314, Estergel, IPM, Isomyst, Isopropyl tetradecanoate, JA-FA IPM, Kessco IPM, Kessco isopropyl myristate, Kesscomir, Myristic acid, isopropyl ester, Plymoutm IPM, Promyr, Sinnoester MIP, Starfol IPM, Tegester, Tetradecanoic acid, isopropyl, Tetradecanoic acid, isopropyl ester, Unimate IPM, Wickenol 101

#### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	626A Rosebank Road, Avondale Auckland 1026 New Zealand
Telephone	+649 8135619
Website	www.pureingredients.co.nz
Email	compliance@pureingredients.co.nz

#### EMERGENCY TELEPHONE NUMBER

CHEMCALL	0800 CHEMCALL / 800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	NZ Poisons Centre 0800 POISON (0800 764 766)

### SECTION 2 HAZARDS IDENTIFICATION

Poisons Schedule (Aust) No Data Available

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS Number	Proportion	Molecular Weight
Isopropyl Myristate	110-27-0	100%	C17H34O2

### SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

<b>Swallowed</b>	Unlikely to be harmful unless excessive amount swallowed. Flush oral cavity, drink plenty of water, see a physician.
<b>Eye Contact</b>	Normal precautions should be observed as for handling all chemicals. Immediately flush eyes with copious amounts of running water (10 minutes). If necessary, see an oculist.
<b>Skin Contact</b>	Practically non-irritating to the skin. Normal precautions should be observed as for handling all chemicals. Wash with water and soap.
<b>Inhalation</b>	Remove to fresh air, place in half-sitting position. Take to hospital if necessary. Not applicable at ambient temperature.
<b>Advice to Doctor</b>	Treat symptomatically based on individual reactions of patient and judgement of doctor.
<b>Medical Conditions Aggravated by Exposure</b>	No information available on medical conditions which are aggravated by exposure to this product. No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.

### SECTION 5 FIREFIGHTING MEASURES

<b>General Measures</b>	If safe to do so, remove containers from the path of fire. Do not inhale explosion and/or combustion gases. Wear personal protective equipment.
<b>Flammability Conditions</b>	Product is a combustible liquid.
<b>Extinguishing Media</b>	Dry chemical, water spray jet, foam, carbon dioxide.
<b>Hazardous Products of Combustion</b>	In the event of fire carbon dioxide, carbon monoxide can be released.
<b>Special Fire Fighting Instructions</b>	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
<b>Personal Protective Equipment</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.
<b>Flash Point</b>	>110 °C
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	350 °C
<b>Hazchem Code</b>	No Data Available

## SAFETY DATA SHEET

## SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.
<b>Clean Up Procedures</b>	Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal.
<b>Containment</b>	Stop leak if safe to do so.
<b>Decontamination</b>	Residue and small spillages may be washed away with water and detergent. Reuse and recycling of disposal highly recommended.
<b>Environmental Precautionary Measures</b>	Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
<b>Evacuation Criteria</b>	Evacuate all unnecessary personnel.
<b>Personal Precautionary Measures</b>	Personnel involved in the clean-up should wear full protective clothing as listed in section 8.

## SECTION 7 HANDLING AND STORAGE

<b>Handling</b>	No special measures necessary if used correctly. Normal precautions should be observed as for handling all chemicals. Avoid open flames. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours.
<b>Storage</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Separate from strong oxidizing agents. This product is classified as a 'C1' Combustible Liquid for the purpose of storage and handling in accordance with the requirements of AS1940.
<b>Container</b>	Store in original packaging as approved by manufacturer.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC).
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available on Biological limit values for this product.
<b>Engineering Measures</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
<b>Personal Protection Equipment</b>	RESPIRATOR: None required (AS1715/1716). EYES: Safety glasses (AS1336/1337). HANDS: None required (AS2161). CLOTHING: None required (AS3765/2210).
<b>Work Hygienic Practices</b>	No Data Available

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Solubility</b>	Insoluble 20°C
<b>Appearance</b>	Liquid	<b>Specific Gravity</b>	No Data Available
<b>Odour</b>	Slight, Typical, Faint	<b>Flash Point</b>	>110 °C
<b>Colour</b>	Colourless	<b>Auto Ignition Temp</b>	350 °C
<b>pH</b>	No Data Available	<b>Evaporation Rate</b>	No Data Available
<b>Vapour Pressure</b>	<1 mbar (@ 20 °C)	<b>Bulk Density</b>	No Data Available
<b>Relative Vapour</b>	No Data Available	<b>Corrosion Rate</b>	No Data Available
<b>Boiling Point</b>	approx. 192 - approx. 300 °C	<b>Decomposition Temperature</b>	No Data Available
<b>Melting Point</b>	approx. 0 °C	<b>Density</b>	0.850 - 0.855 g/cm <sup>3</sup>
<b>Freezing Point</b>	<0 °C	<b>Specific Heat</b>	No Data Available

## SAFETY DATA SHEET

## SECTION 10 STABILITY AND REACTIVITY

<b>General Information</b>	Product is a combustible liquid.
<b>Chemical Stability</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Conditions to Avoid</b>	Unknown
<b>Materials to Avoid</b>	Contact with strong oxidizing agents should be avoided.
<b>Hazardous Decomposition Products</b>	In the event of fire carbon dioxide, carbon monoxide can be released.
<b>Hazardous Polymerisation</b>	No hazardous reactions with proper storage and handling.

## SECTION 11 TOXICOLOGICAL INFORMATION

<b>General Information</b>	<p>Low toxicity and not considered hazardous to human beings.  Oral LD50 Rat: &gt;5000 mg/Kg  Oral LD50 Rat: &gt;2000 mg/Kg  Inhalation LC50 Rat/4hr: &gt;5.7 mg/L (Dust/mist) (OECD 436 - Source: in Analogie)  Dermal LD50 Rat: &gt;2000 mg/Kg (OECD 402)</p> <p>Skin irritation : Species: rabbit  non-irritant  Method: OECD 404 Exposure time: 24 h Source: in Analogie</p> <p>Eye irritation : Species: rabbit  non-irritant  Method: OECD 405 Source: in Analogie</p> <p>Sensitization : Species: mouse  non-sensitizing  Method: OECD 429 Source: in Analogie</p> <p>Risk of aspiration toxicity : No aspiration toxicity classification  Repeated dose toxicity : no data available  Judgement STOT - single exposition : no data available  Judgement STOT - repeated exposure : no data available</p> <p>CMR assessment:  Carcinogenicity : no data available  Mutagenicity : no data available Teratogenicity : no data available  Toxicity to reproduction : no data available</p> <p>Gentoxicity in vitro : Test type: bacterial reverse mutation assay (e.g. Ames test)  Metabolic activation: with and without  Result: negative Method: OECD 471</p> <p>Test type: chromosome aberration  Test system: Cultured, peripheral human lymphocytes  Metabolic activation: with and without  Result: negative Method: OECD 473</p> <p>Test type: chromosome aberration  Test system: Chinese hamster lung fibroblasts (V79)  Metabolic activation: with and without  Result: negative Method: OECD 473</p> <p>Test type: gene mutation  Test system: mouse lymphoma L5178Y cells Metabolic activation: with and without Result: negative  Method: OECD 476</p> <p>Remarks : Proper use provided, no adverse health effects have been observed or have been come to our knowledge.</p>
<b>Eye Irritant</b>	May cause eye irritation.
<b>Carcinogen Category</b>	No Data Available

## SAFETY DATA SHEET

## SECTION 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Toxicity to fish : static LL50 Species: zebra fish Dose: > 100 mg/l Exposure time: 96 h Method: OECD 203 The product was tested above its maximum solubility. Source: in Analogieoap.
	Toxicity to daphniae : static EL50 Species: Daphnia magna Dose: > 100 mg/l Exposure time: 48 h Method: OECD 202 The product was tested above its maximum solubility. Source: in Analogie
	Toxicity to algae : NOEC Species: Pseudokirchneriella subcapitata Dose: > 100 mg/l Exposure time: 72 h Method: OECD 201 The product was tested above its maximum solubility. Source: in Analogie
	ErL50 (Estimated Loading rate) Species: Pseudokirchneriella subcapitata Dose: > 100 mg/l Exposure time: 72 h Method: OECD 201 The product was tested above its maximum solubility. Source: in Analogie Remarks : The Product is not considered to be a water pollutant (German law).
<b>Persistence/Degradability</b>	Aerobic 67 % Testing period: 28 d readily degradable Method: OECD 301 C Source: in Analogie
<b>Mobility</b>	No Data Available
<b>Environmental Fate</b>	Do not allow product to enter drains, waterways or sewers
<b>Bioaccumulation Potential</b>	No Data Available
<b>Environmental Impact</b>	No Data Available

## SECTION 13 DISPOSAL CONSIDERATION

<b>General Information</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State and Federal Regulations or recycled/reconditioned at an approved facility.
<b>Special Precautions for Land Fill</b>	Contact a specialist disposal company or the local waste regulator for advice. In accordance with local authority regulations, take to special waste incineration plant. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

## SECTION 14 TRANSPORT INFORMATION

<b>Land Transport (New Zealand) NZS5433</b>	It is not a hazardous product No special measures have to be observe by transportation
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## SECTION 15 REGULATORY INFORMATION

<b>General Information</b>	No Data Available
<b>Environmental Protection Authority (New Zealand)</b>	Hazardous Substances and New Organisms Act 1996
<b>Approval Code</b>	Not Hazardous

## SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Version: 00 Revision Date: 31/10/2019: PIL SDS New issue.

Version 01 Revision Date: 04/05/2020: PIL SDS Change of address - no changes to SDS.