



Certificate of Analysis

Product: ISOPROPYL MYRISTATE
Batch Number: 4360106
Best Befre End: MAY 2022

Product Specification / Results of Analysis

<u>Property</u>	<u>Method</u>	<u>Min/Max Limit</u>	<u>Result</u>
APPEARANCE @ 25C	110-0	CLROILY LIQ,FFM	PASS
SAPONIFICATION NUMBER	516-0	204 212	206
ASSAY(ISOPROPYL MYRISTATE)	103-F	90.0	99.2
SPECIFIC GRAVITY @25/25	506-0	0.846 0.854	0.853
ACID VALUE, MG KOH/G	514-0	0.0 1.0	0.1
COLOR (APHA)	006-B	0 20	12
REFRACTIVE INDEX @20C	544-0	1.432 1.436	1.434
ODOR	BT002-01	TYPICAL	PASS
WATER	501-0	0.00 0.10	0.04
IODINE VALUE	AOCS CD 1-25	1.0	0.1

QUALITY CONTROL/CERTIFICATION GROUP

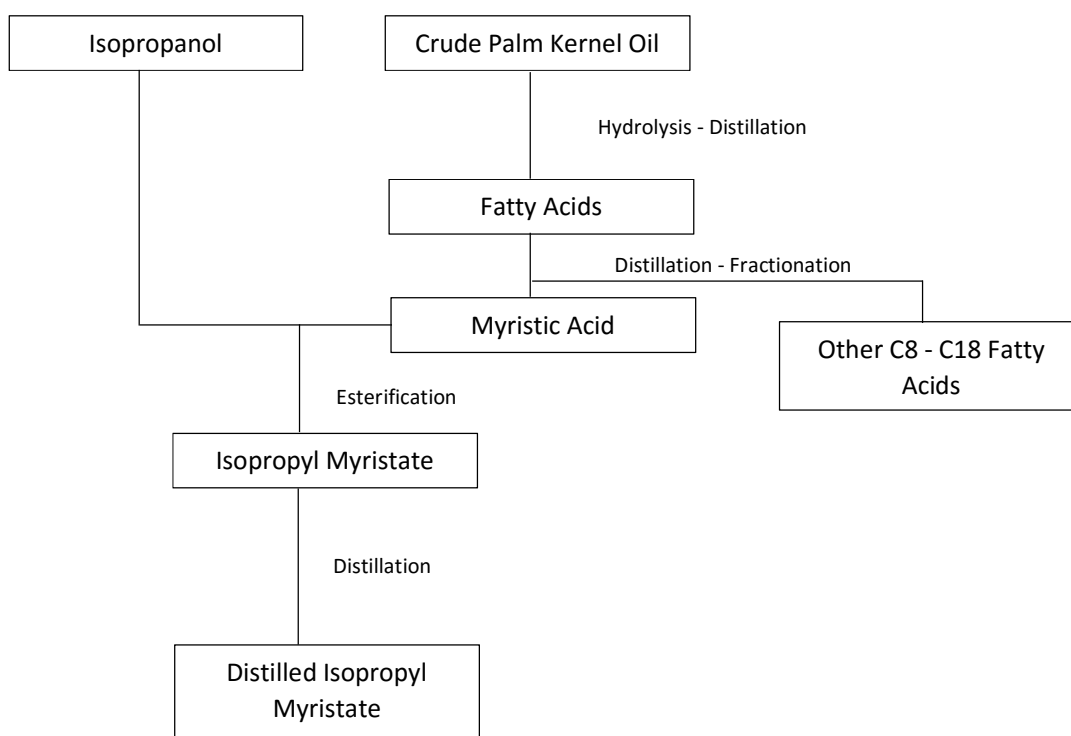
The following specifications are tested periodically and are certified to comply to the following limits:

RESIDUAL SOLVENTS - MEETS NF REQUIREMENTS
INFRARED ID - MATCHES STANDARD
RESIDUE ON IGNITION - 0.1%
IDENTIFICATION TIME (P/F) - PASSES



Flow Chart

Isopropyl Myristate





GMO Statement

Isopropyl Myristate

GENTICALLY MODIFIED MATERIAL

We can confirm Isopropyl Myristate is material that is not produced from, or does not contain, materials that have been genetically modified within the meaning of the regulation Directive 2001/18/EC.

ISOPROPYL MYRISTATE

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
 Date of Issue: 11/05/2011 Revision Date: 31/08/2016 Version 2.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	Substance
Name	ISOPROPYL MYRISTATE
Chemical name	Isopropyl myristate
EC-No.	203-751-4
CAS-No.	110-27-0
REACH registration No	01-2119541806-35

1.2. Relevant identified uses of the substance or mixture and uses advised against

Industrial use

1.2.1. Relevant identified uses

Main use category

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

MADAR Corporation Limited
 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA
 Tel: 01425 655555 Email: sales@madarcorporation.co.uk
 Approved Sellers: Cosmetic Butters, Mystic Moments, New Directions, World of Moulds

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Adverse physicochemical, human health and environmental effects No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isopropyl myristate	(CAS-No.) 110-27-0 (EC-No.) 203-751-4 (REACH-no) 01-2119541806-35	100	Not classified

Full text of R- and H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	Remove immediately contaminated clothing.
First-aid measures after inhalation	Fresh air, rest. Never attempt to induce vomiting : risk of inhalation. Call a doctor.
First-aid measures after skin contact	Wash skin with plenty of water and soap. If necessary seek medical advice.
First-aid measures after eye contact	Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.
First-aid measures after ingestion	Do not induce vomiting. Rinse mouth. May result in aspiration into the lungs, causing chemical pneumonia. Immediately consult a doctor/medical service.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO2), dry chemical powder, foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: In case of fire it can release. carbon oxides (CO and CO2).
Reactivity	: Stable at normal conditions. See section 7.

5.3. Advice for firefighters

Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.
Other information	: Avoid (reject) fire-fighting water to enter environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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General measures : No naked flames, sparks, and do not smoke.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing.

Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel. Spill area may be slippery.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Use appropriate container to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

For containment : Prevent spillage from spreading by using sand or earth. Dike and contain spill.

Methods for cleaning up : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite.

Other information : Not in groundwater, surface water or sewerage. Notify authorities if product enters sewers or public waters.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Smoking, eating and drinking should be prohibited in areas of storage and use. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry and cool place. Exclude sources of heat, sparks and open flame.

Incompatible products : Oxidizing agent.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ISOPROPYL MYRISTATE (110-27-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	23,5 mg/m ³

8.2. Exposure controls

Hand protection:

Wear suitable gloves

Eye protection:

In case of risky circumstances: safety glasses or face shield

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

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9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Yellow to amber.
Odour	characteristic (very slight).
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	>= 3 °C
Freezing point	No data available
Boiling point	≈ 193 °C (at 20 mmHg)
Flash point	≈ 150 °C (Open cup)
Auto-ignition temperature	≈ 225 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	0,01246 hPa
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	≈ 0,85 g/cm ³ (20°C)
Solubility	Water: < 0,00005 g/l (20°C)
Log Pow	No data available
Log Kow	≈ 7,71
Viscosity, kinematic	≈ 7,71 mm ² /s (20°C)
Viscosity, dynamic	5 - 6 mPa.s (20°C)
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

9.2. Other information

No additional information available

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10.1. Reactivity

Stable at normal conditions. See section 7.

10.2. Chemical stability

Stable under normal conditions of use.

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

Oxidizing agent.

10.6. Hazardous decomposition products

It may generate irritant / toxic mists / gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ISOPROPYL MYRISTATE (110-27-0)	
LD50 oral rat	> 2000 mg/kg (OECD 104)
LC50 inhalation rat (mg/l)	> 5,3 mg/l/4h (OECD 436)

Skin corrosion/irritation	Not classified Non-irritant (rabbit)
Serious eye damage/irritation	Not classified Non-irritant (rabbit eye)
Respiratory or skin sensitisation	Not classified No sensitizing effect is known
Germ cell mutagenicity	Not classified Negative
Carcinogenicity	Not classified (Lack of data)
Reproductive toxicity	Not classified (Lack of data)
STOT-single exposure	Not classified (Lack of data)
STOT-repeated exposure	Not classified (Lack of data)
Aspiration hazard	Not classified (Lack of data)

SECTION 12: Ecological information

12.1. Toxicity

ISOPROPYL MYRISTATE (110-27-0)	
LC50 fish 1	> 1000 mg/l (96h) (EPA 660/3-75-009 (1975))

12.2. Persistence and degradability

ISOPROPYL MYRISTATE (110-27-0)	
Persistence and degradability	Biodegradable.

ISOPROPYL MYRISTATE

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.3. Bioaccumulative potential

ISOPROPYL MYRISTATE (110-27-0)

Log Kow	≈ 7,71
Bioaccumulative potential	Does not accumulate in organisms.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

ISOPROPYL MYRISTATE (110-27-0)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Ecology - waste materials : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

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

Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

ISOPROPYL MYRISTATE is not on the REACH Candidate List

ISOPROPYL MYRISTATE is not on the REACH Annex XIV List

15.1.2. National regulations

Water hazard class (WGK)

: nwg - Non-hazardous to water

Regulatory reference

: Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). Listed on the United States TSCA (Toxic Substances Control Act) inventory. Listed on NZIoC (New Zealand Inventory of Chemicals). Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China). Listed on the JAPAN CHRIP (Chemical Risk Information Platform). Listed on the Korean KECI (NCIS National Chemical Information System). listed on the Taiwan CSNN (Chemical Substance Nomination&Notification. Listed on the Canadian DSL (Domestic Substances List). Listed on the AICS (Australian Inventory of Chemical Substances). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory. Listed on the Korean ECL (Existing Chemicals List).

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



Product Specification

Isopropyl Myristate

Specification Information

CAS	110-27-0
EINCECS	203-751-4
INCI	Isopropyl Myristate

**Grade RSPO Mass balance on request

Isopropyl Myristate is a highly refined and distilled ester obtained by the esterification of isopropyl alcohol with myristic acid. It is a water-clear, low viscous oily liquid with a very good spreading capacity on the skin. Isopropyl Myristate is mainly used in cosmetics as an oil component for emulsions, bath oils and as a solvent for active substances.

Acid value	mg KOH/g	< 0,5
Iodine value	g I ₂ /100g	< 1
Saponification value	mg KOH/g	202-212
Colour APHA		< 50
Water content	%	< 0,1
C14	%	> 98
Specific gravity at 20°C		0,850-0,870
Viscosity at 40°C	mm ² /s	4
Refractive index		1,434-1,437
Cloud point	°C	0
Pour point	°C	-3

Statement

Isopropyl Myristate

CAS: 110-27-0

EC: 203-751-4

INCI: Isopropyl myristate ($\geq 99\%$)

Content:

- Grades and origin
- Allergens
- Animal testing
- BSE/TSE risk
- Carcinogenic, Mutagenic and Reprotoxic (CMR)
- Preservatives
- GMO free
- Heavy metals
- Nanoparticles free
- Residual solvents
- RSPO status
- Volatiles organic compounds (VOC)
- Substance of Very High Concern (SVHC)
- Prohibited and restricted substances
- Pesticides
- Microbiology
- REACH

Isopropyl Mysristate

Grades and origin

Hereby we, confirm that our product complies with the following grades:

Cosmetics application (EC/1223/2009)

Pharma application

The grade needed must be specified at each order.

Hereby we, confirm that our product is from:

Vegetable origin

Synthetic origin

Allergens

Hereby we, confirm that our product is not manufactured to contain any of the products added in Annex III in the European Directive 2003/15/EC (7th amendment of the former Cosmetics Directive 76/768/EC), nor those listed as likely to cause allergic reaction in Annex III of the European Regulation (EC) 1223/2009 and subsequent modifications on Cosmetic products.

Animal testing

Hereby we, confirm that this product has not been the subject of animal testing or retesting for cosmetic purposes.

This product complies to the requirements of the European Cosmetic Regulations:

Council Directive 76/768/EEC relating cosmetic products

its modification and amendments (notably Directive 2003/15/EEC of 27/02/2003) - and with the new REGULATION (EC) No 1223/2009 on cosmetics products.

BSE/TSE Risk

Hereby we, confirm that our product complies with all relevant current EU legislative requirements regarding to BSE/TSE.

During the manufacturing process, our product does not come into contact with any materials which could be derived from BSE/TSE risk materials. All raw materials and processing materials used in the manufacture/processing of the product do not contain or are not derived from any BSE/TSE risk materials.

We therefore have every reason to expect that this product is free of:

Bovine Spongiform Encephalopathy (BSE)

Transmissible Spongiform Encephalopathy (TSE)

Carcinogenic, Mutagenic and Reprotoxic (CMR)

Hereby we, confirm that based on the REACH registration, this product complies to the below confirmations:

Genetic toxicity: No risk

Carcinogenicity: No risk

Toxicity to reproduction: No risk

This product is not classified as a Carcinogenic, Mutagenic or Reproduction-toxic substance of category 1, 2 and 3 as defined in European Regulation 1272/2008/EC and its subsequent modifications.

For more information, please refer to the section 11 of the MSDS.

Preservatives

The class 3 solvent Isopropanol is used as starting material for the production. The residue of this solvent is monitored with a threshold value of 50 ppm.

GMO Free

Hereby we, confirm that this product does not contain any raw material that originates from genetically modified organisms as defined by guideline 2001/18/EC.

Therefore, this product is not obliged to be labelled in accordance with regulation EC 1829/2003 and EC 1830/2003 of 22-09-2003.

Isopropyl Mysristate

Heavy metals

Hereby, certifies that based on knowledge of the manufacturing process and controlled handling, shipping and storage of this product, there is in no potential for heavy metals to be present in detectable concentration. Therefore, we do not analyze it.

Heavy metal (as Pb) < 10 ppm

Nanoparticles free

Hereby we, confirm that this product is free of Nanoparticles or materials produced via nanotechnology.

Nanomaterials as defined:

Under Cosmetic Regulation n°1223/2009: "an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm"

Completed by Cosmetics Europe: "for 10% or more of the particles in the number size distribution".

Under French regulation (decree n°2012-232 and order): "A manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50% or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm"

Residual solvents

Hereby, certifies that based on knowledge of the manufacturing process and controlled handling, shipping and storage of these products manufactured, there is in no potential for residual solvents or if used is removed in a final step of the manufacturing process.

RSPO status

RSPO Mass Balance material is only available on special request. For more information, please contact the respective sales manager.

Volatile organic compounds (VOC)

Hereby, certifies that this product does not show a vapor pressure above or equal to 0,01 kPa at 20°C and therefore does not need to be classified as a VOC according to the EU Directive 1999/13 and Swiss VOCV.

Substance of very high concern (SVHC)

This product is not listed in the Candidate List (last updated).

Prohibited and Restricted Substances

This product does not belong to the substances listed in Annex II to VI of the cosmetic legislation 1223/2009.

Pesticides

Hereby, certifies that based on knowledge of the manufacturing process and controlled handling, shipping and storage of this product, the presence of pesticides in the final product is not expected to be present in detectable concentration.

Microbiology

During the manufacturing process, temperatures well above 100°C are held for at least several minutes. Therefore a possible microbial contamination is removed. Moreover, the low activity of water in final product does not allow microbiological growth.

REACH

Hereby we, confirm that our product is registered under REACH requirements (CE) 1907/2006.

The registration number is 01-2119541806-35.