MATERIAL SAFETY DATA SHEET

Isopropyl Myristate

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Item	Details
Product Code	50001
Chemical Name	Isopropyl Myristate
CAS No.	110-27-0
EC No.	203-751-4

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1 Relevant Identified Uses

YAPOX® IPM is versatile Emollient and Lubricant for use in many types of cosmetics & toiletries.

It can be used in the formulation of:

- Pre shaves & aftershaves
- Shampoos
- Bath Oils
- Aerosol Anti-perspirants
- Deodorants

1.2.2 Uses Advised Against

No additional information available.

1.3 Details of the Supplier of the Safety Data Sheet

COSMO CHEMISTRY

Office No. 713, Millennium Business Hub,

Sarthana Jakatnaka, Varachha Main Road,

Surat, Gujarat, India – 395006

Phone : +91 979797 7958
e-mail : info@cosmochemistry.com

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture

Classification according to UN GHS

Not Classified

2.2 Label Elements

Hazard pictograms: None

Signal word: No signal word

Hazard statements: Not applicable

Precautionary statements: Not applicable

2.3 Other Hazards

Results of PBT and vPvB Assessment:

No data available

SECTION 3: Composition / Information on Ingredients

3.1 Substance

Name	Product Identifier	%	Classification
Isopropyl Myristate	CAS No.: 110-27-0 EC No.: 203-751-4	99.0% min.	Not Classified

3.2 Mixture

Not applicable

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

First-aid measures general

If you feel unwell, seek medical advice.

First-aid measures after inhalation

Assure fresh air breathing.

If you feel unwell, seek medical advice.

First-aid measures after skin contact

Wash with plenty of soap and water.

First-aid measures after eye contact

Rinse cautiously with water for several minutes.

Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion

Rinse mouth.

No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of ingestion.

Get medical advice/attention if you feel unwell.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms / injuries

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media

- Foam
- Dry powder
- Carbon dioxide
- Water spray
- Sand

Unsuitable extinguishing media

Water jet.

5.2 Special Hazards Arising from the Substance or Mixture

Specific hazards during firefighting

Do not flush into surface water or sanitary sewer system.

Prevent product from entering drains.

Decomposition products:

On combustion or on thermal decomposition (pyrolysis) releases:

- Toxic Gas
- Carbon oxides (CO + CO_2)
- Phenol

5.3 Advice for Firefighters

Protective equipment

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European Standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1 For Non-Emergency Personnel

Emergency procedures

Evacuate unnecessary personnel.

6.1.2 For Emergency Responders

Protective equipment

Equip cleanup crew with proper protection.

Emergency procedures

Ventilate area.

6.2 Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Water polluting material.

May be harmful to the environment if released in large quantities.

6.3 Methods and Material for Containment and Cleaning Up

Recovery

Shovel or sweep up.

Recover the product and place in a dry un-contaminated area.

Elimination

Dispose off as hazardous waste in compliance with local and national regulation.

Small Spill

Stop leak if without risk.

Move containers from spill area.

Dilute with water and mop up if water-soluble.

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.

Dispose of via a licensed waste disposal contractor.

Large Spill

Stop leak if without risk.

Move containers from spill area.

Prevent entry into sewers, water courses, basements or confined areas.

Wash spillages into an effluent treatment plant or proceed as follows.

Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Dispose of via a licensed waste disposal contractor.

6.4 Reference to Other Sections

See Sections:

7, 8, 11, 12 and 13.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Protective Measures

Do not ingest.

Avoid contact with eyes, skin and clothing.

Avoid breathing vapor or mist.

Use only with adequate ventilation.

Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

Empty containers retain product residue and can be hazardous.

Do not reuse container.

Remove contaminated clothing and protective equipment before entering eating areas.

Workers should wash hands and face before eating, drinking and smoking.

Put on appropriate personal protection equipment.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in accordance with local regulations.

Store in original container protected from direct sunlight in a dry, clean and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.

Keep container tightly closed and sealed until ready for use.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Do not store in unlabelled containers.

Use appropriate containment to avoid environmental contamination.

Empty containers retain product residue and can be hazardous.

Do not reuse container.

7.3 Specific End Use(s)

Refer Section 1.2

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

Occupational Exposure Limits

No data available.

Biological Limit Values

No data available.

8.2 Exposure Controls

Appropriate Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal Protective Equipment

Eye / Face Protection

Wear safety glasses or goggles to protect against exposure.

Skin Protection

Wear suitable protective clothing and gloves.

Suitable protective footwear.

Hand Protection

Use chemical resistant, impervious gloves approved according to Standard EN 374:2003.

Due to many conditions (e.g. temperature) it must be considered that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Body Protection

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit.

Respiratory Protection

Wear respiratory protection if ventilation is inadequate.

Thermal Hazards

No data available.

General Safety and Hygiene Measures

Avoid inhalation of dusts.

Avoid contact with the skin, eyes and clothing.

Wearing of closed work clothing is required additionally to the stated personal protection equipment.

Handle in accordance with good building materials hygiene and safety practice.

When using, do not eat, drink or smoke.

Hands and/or face should be washed before breaks and at the end of the shift.

At the end of the shift the skin should be cleaned and skin-care agents applied.

Gloves must be inspected regularly and prior to each use.

Replace if necessary.

8.2.3 Environmental Exposure Controls

Prevent spreading in sewers.

Assure that emissions are compliant with all applicable air pollution control regulations.

Refer to all applicable national, international and local regulations or provisions.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Property	Specification
Physical State	Liquid
Appearance	Liquid
Colour	Clear colourless
Odour	No data available
Odour Threshold	No data available
pH	No data available
pH Solution	No data available
Relative Evaporation Rate (butyl acetate = 1)	No data available
Melting Point	170.0°C min.
Specific Gravity	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	No data available
Critical Temperature	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapour Pressure	No data available
Relative Vapour Density at 20°C	No data available
Relative Density	No data available

Property	Specification
Density (at 25°C)	No data available
Solubility	No data available
Log Pow	No data available
Viscosity (at 100°C)	No data available
Explosive Properties	No data available
Oxidising Properties	No data available
Explosive Limits	No data available
Relative Density @ 25°C	0.8460 – 0.8550
Refractive Index @ 25°C	1.4320 – 1.4360
Moisture Content	0.1% max.
Sulphated Ash	0.1% max.
Iodine Value	0.5% max.

9.2 Other Information

Property	Specification
Saponification Value	206.0 – 211.0
Acid Value	0.5% max.

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactions if stored and handled under normal conditions.

10.2 Chemical Stability

The product is stable when stored at room temperature in closed, original container.

Stable under normal conditions of handling, use and transportation.

Stable if protected from heat and exposure to air.

10.3 Possibility of Hazardous Reactions

Hazardous polymerisation does not occur.

10.4 Conditions to Avoid

Heat, flames and sparks.

Static electricity and avoid dust formation.

10.5 Incompatible Materials

No data available.

10.6 Hazardous Decomposition Products

Decomposition products:

On combustion or on thermal decomposition (pyrolysis) releases:

- Toxic Gas
- Carbon oxides (CO + CO_2)
- Phenol

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity

Assessment of Acute Toxicity

Effect Dose / Concentration	Species	Method
Acute Oral Toxicity	>2000 mg/kg bw	Rat
Acute Inhalation Toxicity	>5.3 mg/l air	Rat

Skin Corrosion / Irritation

Assessment of Skin Irritating Effects

Test	Result
Skin Irritation	Non Irritant

Serious Eye Damage / Eye Irritation

Assessment of Eye Irritating Effects

Test	Result
Eye Irritation	Non Irritant

Respiratory or Skin Sensitisation

Assessment of Sensitization

Test	Result
Respiratory / Skin Sensitization	Non skin sensitizer

Germ Cell Mutagenicity

Assessment of Mutagenicity

Test	Result
Germ Cell Mutagenicity	No adverse effects observed

Carcinogenicity

Assessment of Carcinogenicity

Test	Result
Carcinogenicity	No adverse effects observed

Reproductive Toxicity

Assessment of Reproductive Toxicity

Test	Result
Reproductive Toxicity	No adverse effects observed

Specific Target Organ Toxicity – Single Exposure

Assessment of STOT Single

No data available.

Specific Target Organ Toxicity – Repeated Exposure

Assessment of Repeated Dose Toxicity

Test	Result
Repeated Dose Toxicity	No adverse effects observed

Aspiration Hazard

Assessment of Aspiration Hazard

No data available.

Additional Information

No data available.

SECTION 12: Ecological Information

12.1 Toxicity

Assessment of Aquatic Toxicity

Effect	Dose / Concentration	Test Duration	Species	Method
Toxicity to Fish	LC50: >1000 mg/L (Short term)	96 h	*Lepomis macrochirus*	
Toxicity to Aquatic Invertebrates	EC50: <100 mg/L (Short term)	48 h	*Daphnia magna*	

12.2 Persistence and Degradability

Assessment of Biodegradation

Not readily biodegradable.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB Assessment

No data available.

12.6 Other Adverse Effects

No known significant effects or critical hazards.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Waste Disposal Recommendations

Dispose in a safe manner in accordance with local/national regulations.

Dispose of contents/container to a licensed waste centre in accordance with local/regional/national/international regulations.

SECTION 14: Transport Information

In accordance with IMDG / ADR / RID / IATA

Item	Information
14.1 UN Number	Not regulated as dangerous goods.
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	Not Applicable.
14.6 Special Precautions for User	Not Applicable.
14.7 Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Codes	Not Applicable.

SECTION 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

International Regulations

Inventory	Status
Australia Inventory (AICS)	All components are listed or exempted.
Canada Inventory	All components are listed or exempted.
Europe Inventory	All components are listed or exempted.
China Inventory (IECSC)	All components are listed or exempted.
Japan Inventory (ENCS)	All components are listed or exempted.
Philippines Inventory (PICCS)	All components are listed or exempted.
Korea Inventory (KECI)	All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC)	All components are listed or exempted.

Inventory	Status
Taiwan Chemical Substances Inventory (TCSI)	All components are listed or exempted.

SECTION 16: Other Information

Indication of Changes

According to GHS UN.

Abbreviations and Acronyms

Abbreviation	Meaning
IMDG	International Maritime Code for Dangerous Goods
GHS	Global Harmonized System
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (Division of the American Chemical Society)
LC50	Lethal Concentration, 50 Percent
LD50	Lethal Dose, 50 Percent
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level

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