Isopropyl Palmitate

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Revision Date: 12-Sep-2024
Supersedes: 04-Aug-2021

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Isopropyl Palmitate
Synonyms: No data available
INCI Name: Isopropyl Palmitate
CAS Number: 142-91-6
Formula: No data available
Product Form: Liquid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified.
GHS Labeling: Not a dangerous substance according to GHS.
GHS Hazard Pictograms: None.
GHS Hazard Statements: None.
GHS Precautionary Statements: None.
Potential Health Hazards: Eyes: May be an irritant.
Inhalation: May be an irritant.
Skin: May be an irritant.
Ingestion: May cause nausea, vomiting, or diarrhea. Vomiting may cause aspiration.

NFPA Ratings (704):

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Isopropyl Palmitate	142-91-6	100%	Not Available

4 FIRST AID MEASURES

Eyes: If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.
Inhalation: Remove to fresh air.
Skin: After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.
Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Seek medical advice. Caution if victim vomits: Risk of aspiration! Do not leave victim unattended.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperatures. Use appropriate media (foam, dry extinguishing powder, carbon dioxide (CO_2), sand, water spray) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters: Wear self-contained breathing apparatus and full chemical resistant suit, including eye protection and boots. Do not allow water used to extinguish fire to enter drains or waterways. In case of fire and/or explosion do not breath fumes. Extinguishing materials should be selected according to the surrounding area.
Flash Points: 334.4°F (168°C)

Specific hazards arising from the chemical:	In case of fire, toxic pyrolysis products, carbon dioxide (CO2) carbon monoxide can be released. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	High slip hazard because of leaking or spilled product. Do not empty into drains or the aquatic environment. Retain contaminated washing water and dispose. Do not allow to enter soil/subsoil. Ensure waste is collected and contained. Treat the assimilated material according to the section on waste disposal. Absorbing material, organic sand. Remove mechanically, placing in appropriate containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Avoid generation of dust. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	It is recommended to organize all working processes to exclude inhalation, skin contact, eye contact. Use only in well-ventilated areas. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Keep/store only in original container. Ensure adequate ventilation of the storage area. Keep container tightly closed. Keep the packing dry and well-sealed to prevent contamination and absorption of dampness. Store at <140°F (<60°C). Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Isopropyl Palmitate	Not available		

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes:	Wear tightly sealed safety glasses.
Inhalation:	Ensure adequate ventilation. Work in well ventilated zones or use proper respiratory protection.
Body:	Type of chemical protective gloves depends on the concentration and quantity of dangerous substances as well as on work place specifications. When handling chemical substances, chemical protective gloves and full protective clothing must be worn with CE label, including a four-digit code.
Other:	Occupational exposure controls in the case of formation of dust, aerosol, or mist generation. Use good personal hygiene practices. Technical measures and the application of adequate working methods take priority over the use of personal protective equipment. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	**Vapor Pressure at 20°C:**	<0.001 hPa
Odor:	Odorless	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	Characteristic	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	5 - 8	**Flash Point:**	334.4°F (168°C)
Boiling Point:	@2mbar: 160°C	**Specific Gravity:**	No data available
Melting/Freezing Point:	56.3°F (13.5°C)	**Water Solubility:**	No data available
Relative Density at 20°C:	0.85 g/cm3	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-	8.15	**Decomposition Temperature:**	No data available

octanol/water:			
Viscosity:	No data available	**Explosive Properties:**	No data available
Oxidizing Properties:	No data available	**Metal Corrosion:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Stable.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	No data available.
Incompatible Materials:	Strong oxidizing agents, strong reducing agents, concentrated alkalis, concentrated acids.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Not an irritant.
Eyes:	Not an irritant.
Inhalation:	No data available,
Ingestion:	(Mouse) Oral LD50 >5000 mg/kg.
Carcinogenicity:	This substance does not meet the criteria for classification as CMR category 1 or 2.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Sensitization:	No data available.
Corrosivity:	No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	(Zebrafish) LC50 > 10000 mg/l, 96 hours.
Aquatic Invertebrate:	(Daphnia Magna) EC50 >300 mg/l, 48 hours.
Terrestrial:	(Scenedesmus Subspicatus) ErC50 > 0.05 mg/l, 72 hours.
Persistence and Degradability:	Product is biodegradable.
Bioaccumulative Potential:	Log Pow 8.16
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.
Other Information:	Do not allow uncontrolled leakage of product into the environment.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Do not dump into any sewers, on the ground, or into any body of water. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted, recycler, reclaimer, incinerator, or other thermal destruction device. If the material is released into the environment, the user should determine whether the spill should be reported to the appropriate local, state, and federal authorities. Users should review their operations in terms of the applicable federal, national, or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product. Regulations may vary by location.
Product Containers:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Non-regulated material.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not a hazardous material with respect to these transportation regulations.
IATA (International Air Transport Association):	Not a hazardous material with respect to these transportation regulations.
ICAO (International Civil Aviation Organization):	No data available.
Harmonization Code:	2915.70.0010

15 REGULATORY INFORMATION

TSCA Registered:	Yes.
TSCA 5(a) SNUR:	No.
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
Korea (KECI):	No data available.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date:	12-Sep-2024
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.