

Myristic Acid

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

Revision Date: 26-Jun-2024
Supersedes: 23-Apr-2018

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Myristic Acid	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Myristic Acid, Palmitic Acid, Dodecanoic Acid	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	544-63-8, 57-10-3, 143-07-7	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Solid		
Product Use:	Cosmetic use	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: Not expected to be an irritant. Inhalation: Not expected to be an irritant. Skin: Not expected to be an irritant Ingestion: May cause nausea, vomiting, or diarrhea.												
NFPA Ratings (704):	<table border="1"> <tr> <td>Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Reactivity</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td>N/A</td> </tr> </table>	Health	N/A	N/A	Flammability	N/A	N/A	Reactivity	N/A	N/A	Specific Hazard	N/A	N/A
Health	N/A	N/A											
Flammability	N/A	N/A											
Reactivity	N/A	N/A											
Specific Hazard	N/A	N/A											

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Myristic Acid	544-63-8	<80-100%	Not Available
Palmitic Acid	57-10-3	<10%	Not Available
Dodecanoic Acid	143-07-7	<10%	Not Available

4 FIRST AID MEASURES

Eyes:	Rinse opened eye for several minutes under running water. If symptoms persist, seek medical attention.
Inhalation:	Move to fresh air. Seek medical attention if necessary.
Skin:	Generally, the product does not irritate the skin. Immediately wash with water and soap and rinse thoroughly.
Ingestion:	Rinse out mouth and then drink plenty of water. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate extinguish media (CO ₂ , powder, water spray) for small fires. Extinguish large fires with water spray or alcohol resistant foam. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	>392 °F (200 °C) (PMCC)
Specific hazards arising from the chemical:	Under certain fire conditions, traces of other toxic gases cannot be excluded.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. 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:	Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Keep away from heat and direct sunlight. Keep ignition sources away. Do not smoke. Keep respiratory protective device available. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in a cool, dry, light protected place in tightly closed receptacles. Store only in the original receptacle. Store away from oxidizing agents. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Effect Level</u>	<u>Regulation</u>
Myristic Acid	10 mg/kg bw/day (Workers)	DNEL	REACH
	17.632 mg/m ³ (Workers)	DNEL	REACH
	0.031 mg/L (Fresh water)	PNEC	REACH
	0.0031 mg/L (Marine water)	PNEC	REACH
	1.67 mg/kg (Sediment, fresh water)	PNEC	REACH
	0.167 mg/kg (Sediment, marine water)	PNEC	REACH
	912 mg/L (STP)	PNEC	REACH

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
 DNEL: Derived No-Effect Level (REACH)

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling
 PNEC: Predicted No-Effect Concentration (REACH)

Personal Protection:

Eyes:	Wear tightly sealed safety goggles.
Inhalation:	Not required under normal conditions of use.
Body:	Avoid direct contact with this product. Wear impenetrable, nitrile rubber gloves or equivalent and full protective clothing.
Other:	The usual precautionary measures are to be adhered to when handling chemicals. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid	Vapor Pressure at 25°C:	0.00018 hPa
Odor:	Characteristic	Relative Density at 54°C:	0.8622
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	White	Flammability:	Not flammable
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	>392 °F (200 °C) (PMCC)
Boiling Point/Range:	326.2 °C	Specific Gravity:	No data available
Melting/Freezing Point:	52 - 54 °C	Water Solubility at 20°C:	0.00013 g/l
Density at 20°C:	0.8622 g/cm ³	Auto-Ignition Temperature:	>250 °C

Partition Coefficient: n-octanol/water:	Not determined	Decomposition Temperature:	Not determined
Dynamic Viscosity:	No data available	Explosive Properties:	Not an explosion hazard
Oxidizing Properties:	No data available	Auto-Ignition Temperature:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No further relevant information available.
Chemical Stability:	Stable at environment temperature.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Keep away from heat, ignition sources, and direct sunlight.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	Irritant gases/vapors, carbon monoxide and carbon dioxide.
Possible Hazardous Reactions:	Reacts with oxidizing agents.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	No irritant effect.
Eyes:	No irritant effect.
Inhalation:	Not expected to be an irritant.
Ingestion:	(Oral) LD50: >10,000 mg/kg bw/day.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Specific Target Organ Toxicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	No data available.
Respiratory/Skin Sensitization:	No sensitizing effects known.
Additional Toxicological information:	The substance is not subject to classification according to the latest version of the EU lists.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	Readily biodegradable.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No further relevant information available.
General Notes:	Not hazardous for water.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Must be specially treated adhering to official regulations. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies before disposing of product.
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):	No data available.
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TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated.
IATA (International Air Transport Association):	Not regulated.
ICAO (International Civil Aviation Organization):	No data available.
ADR (EU Road Transportation):	Not regulated.
ADN (EU Waterway Transportation):	Not regulated.

15 REGULATORY INFORMATION

TSCA Inventory Status:	Listed.
Dangerous Substance (Annex 1):	Substance not listed (2012/18/EU).
Canada (DSL):	Listed.
EU (EINECS):	Listed.
China (IECSC):	Listed.
Australia (AICS):	Listed.
Taiwan (TCSI)	Listed.
Japan (ENCS):	Listed.
Philippines (PICCS):	Listed.
Korea (ECL):	Listed.
New Zealand (NZIOC):	Listed.

16 OTHER INFORMATION

Revision Date:	26-Jun-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 suitability & completeness of such information for his own particular use.