

Dipalmitoyl Hydroxyproline (DPHP)

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

Revision Date: 09-03-2015
Supersedes: 07-11-2014

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: DPHP
Synonyms: trans-1-(1-oxohexadecyl)-4-[(1-oxohexadecyl)oxy]-L-proline; dipalmitoyl hydroxyproline; L-Proline, 1-(1-oxohexadecyl)-4-(1-oxohexadecyl)oxy-, (4R)-; 1-(1-oxohexadecyl)-4-[(1-oxohexadecyl)oxy]-, trans-L-Proline; dipamitoylhydroxyproline; L-proline, 1-(1-oxohexadecyl)-4-[(1-oxohexadecyl)oxy]-, trans-; 1,2-Dipalmitoylhydroxy-L-proline; O,N-dipalmitoyl hydroxyproline (DPHP)
INCI Name: Dipalmitoyl hydroxyproline
CAS Number: 41672-81-5
Formula: C₃₇H₆₉NO₅
Product Form: Solid (powder)
Product Use: Cosmetic use

Distributor: Chanjao Longevity Co., Ltd.
Address: 50 Ramindra 14 Bangkok
10230 Thailand
Phone / Fax: +66 02 002 7 002
Web: www.myskinrecipes.com

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

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not classified
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: None
Potential Health Hazards: Eyes: May be irritant.
Inhalation: No data available.
Skin: Not irritant.
Ingestion: No data available.

NFPA Ratings (704):

Health	0	Minimal
Flammability	2	Moderate
Reactivity	0	Minimal
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Dipalmitoyl hydroxyproline	41672-81-5	N/A	607.95 g/mol

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.
Inhalation: Not applicable.
Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.
Ingestion: Seek medical attention if gastrointestinal symptoms occur.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Water spray, foam, CO₂, dry powder.
Special protective equipment & precautions for firefighters: Firefighters should wear full protective clothing including self-contained breathing Apparatus.
Flash Points: Not applicable.
Specific hazards arising from the chemical: Dust & air can form an explosive mixture.

SDS (Safety Data Sheet)

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.
Methods and material for containment and cleaning up: Clean affected area with warm water. Use sodium carbonate as neutralizing agent.

7 HANDLING & STORAGE

Precautions for safe handling: Avoid contact with eyes and skin. Avoid formation of dust. Wash thoroughly after handling.
Conditions for safe storage, incl. any incompatibilities: Protect from freezing, excessive heat, and direct sunlight. Keep the container tightly closed and in a cool, well-ventilated place. Use polyolefine lining in receptacles.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Dipalmitoyl hydroxyproline	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: Safety glasses, goggles, or face shield recommended for eye protection.
Inhalation: None needed but appropriate NIOSH approved respiratory protection may be worn.
Body: Gloves recommended to prevent prolonged skin contact.
Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Powder	Vapor Pressure:	Not available
Odor:	Faint odor	Vapor Density:	Not available
Taste:	Not available	Evaporation Rate:	Not available
Color:	White	Flammability:	Not available
Molecular Weight:	607.95 g/mol	Explosive Limit:	Not available
pH (1% sol. in water)	Not available	Solubility:	Insoluble in water, soluble in chloroform, slightly soluble in vegetable oils and ethanol.
Boiling Point:	Not available		
Melting Point:	Not available		
Flash Point:	Not available		
Specific Gravity:	Not available		

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.
Chemical Stability: Stable under normal conditions.
Hazardous Polymerization: Not available
Conditions to Avoid: Not available
Incompatible Materials: Not available
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute oral toxicity Not classified as dangerous
Skin: Not an irritant
Eyes: Irritant

SDS (Safety Data Sheet)

Respiratory:	Not available
Ingestion:	Not available
Carcinogenicity:	Not available
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Non mutagenic
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	Not available
Aquatic Invertebrate:	Not available
Terrestrial:	Not available
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues: 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.

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):	Not regulated
TDG (Transportation of Dangerous Goods, Canada):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated
IATA (International Air Transport Association):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 09-03-2015

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.