

Squalane Light

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

Revision Date: 01-22-2016
Supersedes: 11-08-2012

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Squalane Light
Synonyms: C13-C15 alkane; 2,6,10-trimethyldodecane;
 dodecane, 2,6,10-trimethyl; farnesane
INCI Name: C13-15 alkane
CAS Number: 3891-98-3
Formula: C₁₅H₃₂
Product Form: Liquid
Product Use: Cosmetic use

Distributor: MakingCosmetics.com 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: Asp. 1
GHS Signal Word: DANGER

GHS Hazard Pictograms: 

GHS Hazard Statements: H304: May be fatal if swallowed and enters airways
GHS Precautionary Statements: P102: Keep out of reach of children.
 P301+P310: If swallowed: Immediately contact a poison control center or physician.
 P331: Do not induce vomiting.
 P405: Store locked up.
 P501: Dispose of contents/container to location in accordance with local/regional/
 national/international regulations

Potential Health Hazards: Eyes: May be irritant.
 Inhalation: Can cause damages to the gastrointestinal tract.
 Skin: Not irritant.
 Ingestion: Can cause damages to the respiratory tract.

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
C13-15 alkane	3891-98-3	N/A	212.41

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Seek medical attention if symptoms occur.
Inhalation: Remove to fresh air. Seek medical attention if necessary.
Skin: Wash skin with soap and water. Seek medical attention if symptoms occur.
Ingestion: Seek medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Water spray, dry chemical, foam or carbon dioxide.
Special protective equipment & precautions for firefighters: Firefighters should wear full protective clothing including self-contained breathing Apparatus.
Flash Points: 110 °C (230 °F)
Specific hazards arising from the chemical: None known.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Biodegradable product.
Methods and material for containment and cleaning up:	Contain spilled material. Transfer to secure containers.

7 HANDLING & STORAGE

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety practices.
Conditions for safe storage, incl. any incompatibilities:	Store in cool, dry place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
C13-15 alkane	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:	Appropriate NIOSH approved respiratory protection may be worn.
Body:	Gloves and protective clothing should be worn 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:	Liquid	Vapor Pressure:	89.3 Pa at 20 °C
Odor:	Paraffinic	Relative Density:	0.77 g/cm ³ at 15 °C.
Taste:	Not available	Evaporation Rate:	Not available
Color:	Clear	Flammability:	Not available
Molecular Weight:	212.41	Upper/lower Explosive Limit:	LFL @ 25 °C 0.48, UFL @25 °C 7.0
pH (1% sol. in water)	Not available	Solubility:	0.25 µg/L in water
Boiling Point:	198 °C at 760 mm Hg	Flash Point:	110 °C (230 °F)
Melting Point:	Not available	Specific Gravity:	Not available
Viscosity:	2.325 mm ² /s @ 40 °C		

10 STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Data not available.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	LC50 Inhalation Rat >2.19 mg/L LD50 Oral Rat > 5000 mg/kg LD50 Dermal Rabbit > 5000 mg/kg
Skin:	In three human repeated patch studies, C13-15 alkane was not considered to be a sensitizer ranging from concentrations of 20% to 80%
Eyes:	Not available
Respiratory:	Considered to be an aspiration hazard based on kinematic viscosity

Ingestion:	Not available
Carcinogenicity:	Not available
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Not available
Embryotoxicity:	Not available
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	Not available

12 ECOLOGICAL INFORMATION

Aquatic Ecotoxicity:	C13-15 alkane is not classified for acute or chronic toxicity to aquatic species. C13-15 alkane is essentially insoluble in water (0.25 µg/L) and is not expected to hydrolyse. It was tested in chronic fish and daphnia studies and no toxicity occurred at the limit of water solubility (0.25 µg/L)
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Predicted range 1074 to 1944 L/kg wet-wt by modelling (EpiSuite v4.11 and BCFBAF v3.01). Based on predicted values of less than 2000 L/kg wet-wt C13-15 alkane is not expected to bioaccumulate
Mobility in Soil:	Not expected to be mobile in soil. Predicted log Koc: 6.5 (Kowwin method)
PBT and vPvB Assessment:	Based on the chemical safety assessment and the results described herein, C13-15 alkane is not a PBT / vPvB substance
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:	Listed on the TSCA inventory as Dodecane, 2,6,10-trimethyl
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada):	This substance does not meet any of the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations
EU REACH China 2014 IECIC	REACH registration number: 01-2119948111-47-0000 (new submission number PE483357-29 C13-C15 alkane

16 OTHER INFORMATION

Revision Date:	01-22-2016
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.