Squalane Light

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

Revision Date: 13-Feb-2025
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1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Squalane Light
Synonyms: No data available
INCI Name: C13-15 Alkane
CAS Number: 3891-98-3, 1174522-45-2
Chemical Name: 2,6,10-TRIMETHYLDODECANE
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

Classification: Acute toxicity, Category 4, Inhalation.
Aspiration hazard, Category 1.

Signal Word: **DANGER!**

Hazard Pictograms:

Hazard Statements: H304: May be fatal if swallowed and enters airways.
H332: Harmful if inhaled.

Precautionary Statements: (Prevention) P261: Avoid breathing mist or vapours.
P271: Use only outdoors or in a well-ventilated area.
(Response) P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P331: Do NOT induce vomiting.
(Storage) P405: Store locked up.
(Disposal) P501: Dispose of contents/ container to an approved waste disposal plant.

Please Note: Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

Potential Health Hazards: Eyes: May be an irritant.
Inhalation: Harmful if inhaled.
Skin: May be an irritant.
Ingestion: May be fatal if swallowed and enters airways.

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 / 1174522-45-2	90 – 100%	Not Available

4 FIRST AID MEASURES

Eyes: Protect unharmed eye. Remove contact lenses. Flush eyes with water as a precaution. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Treat symptomatically.

Inhalation: Harmful if inhaled. Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice. Treat symptomatically.

Skin:	Immediately seek medical attention if chemical entered ear canal. Treat symptomatically.
Ingestion:	May be fatal if swallowed and enters airways. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Immediately consult Poison Control Center or physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. If symptoms persist, call a physician. Treat symptomatically.
General Advice:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Consult physician or Poison Control Center. Treat symptomatically. The National Hotline for US Poison Control Centers is 1.800.222.1222; https://www.poison.org.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. May be combustible at high temperatures. Use appropriate media for surrounding environment for adjacent fire. Do not use high volume water jet as an extinguisher.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. In the event of fire and/or explosion do not breathe fumes. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Flash Points:	230°F (110°C) Method: closed cup.
Specific hazards arising from the chemical:	Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Keep people away from and upwind of spill/leak. In the case of vapor formation use a respirator with an approved filter. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. Material can create slippery conditions. Use personal protective equipment. Ensure adequate ventilation. 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:	Clean contaminated floors and objects thoroughly while observing environmental regulations. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Avoid formation of aerosol. Do not breathe vapors/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. Take normal measures for preventive fire protection. 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 container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Store at ambient temperatures 50-85°F (10-30°C) in a dry, well ventilated, preferably full, hermetically sealed. Protect against light. No decomposition if stored and applied as directed. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Squalane Light	None established		

TWA: Time Weighted Average over 8 hours of work.

STEL: Short Term Exposure Limit during x minutes.

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

IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes: Use safety glasses tested according to EN 166/ANSI Z87.1 or equivalent local standard.

Inhalation: Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor, or where indicated by the exposure assessment. Selection of air-purifying or positive-pressure supplied-air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the potential airborne concentrations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. In case a risk analysis proved the cartridge respirator as acceptable, use type: ABEK-P3 (EN 14387) OR Combination Multi-gas/P100 (42CFR84.193; ANSI Z88.7 or equivalent local standard) as a backup to engineering controls. In absence of engineering controls, use self-contained breathing apparatus or full face supplied air respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU) or NIOSH 42 CFR 84(US).

Body: Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 165231/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently. If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time. Wear working clothes covering arms and legs. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance at the specific workplace. Use apron and sleeve covers or complete chemical suit if exposure is expected. Wear appropriate thermal protective clothing, when necessary.

Exposure Controls: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated above are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required. PPE is always the last resort to avoid exposure. In any case technical and organizational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

Other: 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:	Liquid	**Vapor Pressure:**	No data available
Odor:	Not determined	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	Colorless	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	No data available	**Flash Point:**	230°F (110°C) Method: closed cup
Boiling Point:	No data available	**Specific Gravity:**	No data available
Melting/Freezing Point:	No data available	**Solubility:**	Insoluble
Density at 68°F (20°C):	768.61 kg/m3	**Auto-Ignition Temperature:**	No data available
Bulk Density:	Not applicable	**Decomposition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Explosive Properties:**	No data available
Viscosity:	No data available	**Metal Corrosion:**	No data available
Oxidizing Properties:	No data available		

10 STABILITY AND REACTIVITY

Reactivity:	No decomposition if stored and applied as directed.
Chemical Stability:	No decomposition if stored and applied as directed.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	No decomposition if stored and applied as directed.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data is available on the product itself.
Skin:	No data is available on the product itself.
Eyes:	No data is available on the product itself.
Inhalation:	Acute inhalation toxicity: 11 mg/l.
Ingestion:	No data available.
Carcinogenicity:	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Teratogenicity:	No data is available on the product itself.
Germ Cell Mutagenicity:	No data is available on the product itself.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data is available on the product itself.
Reproductive Toxicity:	Not classified based on available information.
Respiratory/Skin Sensitization:	No data is available on the product itself.
Skin Corrosion/Irritation:	No data is available on the product itself.
Aspiration Hazard:	No data is available on the product itself.
Further Information:	Solvents may degrease the skin.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	Ecological information is not reported.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Dispose of in accordance with local, state and federal regulations. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. 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.
Product Containers:	Do not expose containers to high temperatures such as in hot work processes. Empty remaining contents. Dispose of as unused product. Do not re-use empty 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 as a dangerous good.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	No data available.
IATA (International Air Transport Association):	No data available.
ICAO (International Civil Aviation Organization):	No data available.
Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable for product as supplied.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available.
SARA 311/312 Hazards:	Acute toxicity (any route of exposure) and Aspiration hazard.
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:	13-Feb-2025
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.