

Isododecane


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

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1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Isododecane	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Isododecane	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	31807-55-3, 93685-81-5, 13475-82-6	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Flammable liquids: Category 3 Aspiration Hazard: Category 1 Chronic Aquatic Toxicity: Category 4												
GHS Signal Word:	DANGER												
GHS Hazard Pictograms:													
GHS Hazard Statements:	H226: Flammable liquid and vapor H304: May be fatal if swallowed and enters airways. H413: May cause long-lasting harmful effects to aquatic life.												
GHS Precautionary Statements:	P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use only non sparking tools. P243: Take precautionary measures against static discharge. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P331: Do NOT induce vomiting. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P370 + P378: In case of fire, extinguish. P405: Store locked up. P403: + P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents/container in accordance with local and federal regulations.												
Potential Health Hazards:	Eyes: May be an irritant. Inhalation: May be an irritant. Skin: May cause defatting of the skin with symptoms of dryness and cracking. Ingestion: Aspiration hazard if swallowed can enter lungs and cause damage. May be fatal if swallowed and enters airways.												
NFPA Ratings (704):	<table><tr><td>Health</td><td>2</td><td>Moderate</td></tr><tr><td>Flammability</td><td>2</td><td>Moderate</td></tr><tr><td>Reactivity</td><td>0</td><td>Minimal</td></tr><tr><td>Specific Hazard</td><td>N/A</td><td></td></tr></table>	Health	2	Moderate	Flammability	2	Moderate	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	2	Moderate											
Flammability	2	Moderate											
Reactivity	0	Minimal											
Specific Hazard	N/A												

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Isododecane	31807-55-3, 93685-81-5, 13475-82-6	100%	Not Available

4 FIRST AID MEASURES

Eyes:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by a trained professional, using a pocket type respirator.
Skin:	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. In case of contact, flush skin with plenty of water for at least 20 minutes.
Ingestion:	Get medical attention immediately. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If unconscious, place in recover position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (dry chemical, CO ₂ , water spray (fog) or alcohol resistant foam) for surrounding environment and adjacent fire. Do not use water jet as an extinguisher.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode and full protective clothing, including eye protection and boots. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance.
Flash Points:	113°F (45°C) Closed cup
Specific hazards arising from the chemical:	Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Decomposition products may include the following materials: carbon dioxide, carbon monoxide. 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:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion proof equipment. Approach release from upwind. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Contaminated absorbent material may pose the same hazard as the spilled product. Note: See section 1 for emergency contact information and section 13 for waste disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air) No action shall be taken involving personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking, or flames in hazard area. Avoid breathing vapor or mist. Provide

adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on personal protective equipment. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Avoid ingestion, inhalation, and contact with skin and eyes. Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Do not enter areas where used or stored until adequately ventilated. 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 accordance with local regulations. Store in original container, protected from direct sunlight in a dry, cool, and well-ventilated area away from incompatible materials and food and drink. Take precautionary measures against static discharge. Containers that have been left opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate container to avoid environmental contamination. Do not reuse container. Avoid sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Isododecane	No occupational exposure limit values.		

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 chemical splash goggles or face shield.
Inhalation:	When high levels of vapors or aerosols are not controlled by local ventilation, a NIOSH approved, air purifying organic vapor respirator is recommended.
Body:	Wear nitrile rubber gloves and full protective clothing. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Other:	Wash hands, forearms, and face thoroughly after handling chemicals products before eating, smoking, using the lavatory, and at the end of the working period. 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:	1 hPa
Odor:	Odorless	Vapor Density:	5.9 (Air = 1)
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Colorless (light)	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Lower: 0.5%; Upper: 4%
pH:	No data available	Flash Point:	113°F (45°C) Closed cup
Boiling Point:	176 - 192°C (1013 hPa)	Specific Gravity:	No data available
Melting/Freezing Point:	-114°F (-81°C)	Water Solubility:	<0.0001 g/l
Relative Density:	No data available	Auto-Ignition Temperature:	770°F (410°C)
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	Kinematic: 0.052 cm ² /s	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:	Avoid sources of ignition. Do not pressurize cut, weld, braze, solder, drill, grind.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	(Rabbit) Dermal LD50: >5000 mg/kg bodyweight. Solvents may degrease the skin.
Eyes:	No eye irritation.
Inhalation:	No data available.
Ingestion:	(Rat) Oral LD50: >5000mg/kg bodyweight.
Carcinogenicity:	Not listed as a carcinogen by IARC, OSHA, or NTP.
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:	May cause long lasting harmful effects to aquatic life.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	Not readily biodegradable.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	An environment hazard cannot be excluded in the event of unprofessional handling or disposal.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld, or grid used containers unless they have cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with solid, waterways, drains, and sewers. Waste disposal should be in accordance existing federal state, provincial, and or local environmental controls laws. RCRA Classification: When discarded in its purchase form, this product meets the criteria of ignitibility, and should be managed as a hazardous waste (EPA Hazardous Waste Number D001). (40 CFR 261.20-24). 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.
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):	Regulated. UN Number: 2286
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TDG (Transportation of Dangerous Goods, Canada):
IMDG (International Maritime Dangerous Goods):

Proper Shipping Name: Pentamethylheptane
 Classes: 3 Flammable and combustible liquid.
 Packing Group: Group III
 No data available.
 Regulated.

IATA (International Air Transport Association):

UN Number: 2286
 Proper Shipping Name: Pentamethylheptane
 Classes: 3 Flammable and combustible liquid.
 Packing Group: Group III
 Regulated.

ICAO (International Civil Aviation Organization):
Harmonization Code:
Marine Pollutant:

UN Number: 2286
 Proper Shipping Name: Pentamethylheptane
 Classes: 3 Flammable and combustible liquid.
 Packing Group: Group III
 No data available.
 2901.10.6000
 No.

15 REGULATORY INFORMATION

TSCA Registered:	No.
TSCA 5(a) SNUR:	No.
Sara Title III Section 313:	Does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.
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:	10-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 suitability & completeness of such information for his own particular use.