

Isododecane

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

Revision Date: 30-Oct-2025
Supersedes: 08-Sep-2025

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. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 colspan="2">N/A</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,	100%	Not Available

13475-82-6

4 FIRST AID MEASURES

Eyes: Rinse immediately with plenty of water. Rinse eyes with water as a precaution. Treat symptomatically.
Inhalation: Remove person to fresh air and keep comfortable for breathing. Treat symptomatically.
Skin: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Treat symptomatically.
Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. May be harmful if swallowed and enters airways. Risk of lung edema. Call a physician immediately. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Flammable liquid and vapor. No direct explosion hazard. Use appropriate media (water spray, dry powder, foam, carbon dioxide) 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: Ventilate spillage area. No open flames, no sparks, and no smoking. Evacuate unnecessary personnel. Stop leak if safe to do so. 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: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible, without risk. Dispose of absorbed material in accordance with the regulations at an authorized site.

7 HANDLING & STORAGE

Precautions for safe handling: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Not expected to present a significant hazard under anticipated conditions of normal use. Ground/bond container and receiving equipment. 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 at room temperature. Keep container tightly closed in a cool, well-ventilated place. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Always store product in container of same material as original container. 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	None		

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:	No data available
Odor:	Mild, characteristic	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Clear, colorless	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	113°F (45°C) Closed cup
Boiling Point:	176 - 192°C	Specific Gravity:	No data available
Melting/Freezing Point:	No data available	Water Solubility:	No data available
Density at 20 °C:	0.74 g/cm ³	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	None reported	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	Flammable liquid and vapor.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possible Hazardous Reactions:	No dangerous reactions known under normal conditions of use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified under oral, dermal, eyes, or inhalation.
Skin:	None under normal conditions. (Rabbit) Dermal LD50: >5000 mg/kg bodyweight. Solvents may degrease the skin.
Eyes:	None under normal conditions.
Inhalation:	None under normal conditions. (Rat) LC50 > 4.95 mg/l air (Equivalent or similar to OECD 403, 4 hours, 14 days). (Rat) NOAEC > 10.4 mg/l air, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90 Day Study)
Ingestion:	May be harmful if swallowed and enters airways. Risk of lung edema. (Rat) Oral LD50: >5000mg/kg bodyweight. (Rat) NOAEL > 1000 mg/kg body weight, Guideline: OECD Guideline 408 (Repeated Dose 90 Day Oral Toxicity Study in Rodents).

Carcinogenicity:	Not classified.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Not classified.
Specific Target Organ Toxicity:	Not classified.
Reproductive Toxicity:	Not classified.
Viscosity, Kinematic:	5.2 mm ² /s (20 °C, ASTM D445: Capillary viscometer).
Skin Corrosion/Irritation:	Not classified.
Respiratory/Skin Sensitization:	Not classified.
Aspiration Hazard:	May be fatal if swallowed and enters airways.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	May cause long lasting harmful effects to aquatic life.
Aquatic Vertebrate:	(Danio rerio [static]) LC50 > 2.8 mg/l (Exposure time: 96 hours. (Oncorhynchus mykiss) LC50 > 1000 mg/l, OECD 203.
Aquatic Invertebrate:	(Daphnia magna) EC50 > 1000 mg/l, OECD 202.
Algae:	EC50 > 1000 mg/l, 72 hours, OECD 201.
Persistence and Degradability:	Not readily biodegradable.
Bioaccumulative Potential:	Low bioaccumulation potential.
Mobility in Soil:	Low potential for mobility in soil.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	Not classified under ozone damage. No Fluorinated greenhouse gases.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with solid, waterways, drains, and sewers. 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:	Flammable vapors may accumulate in the container. 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):	Regulated. UN Number: 2286 Proper Shipping Name: Pentamethylheptane Classes: 3 Flammable and combustible liquid. Packing Group: Group III
TDG (Transportation of Dangerous Goods, Canada):	Regulated. UN Number: 2286 Proper Shipping Name: Pentamethylheptane Classes: 3 Flammable and combustible liquid. Packing Group: Group III
IMDG (International Maritime Dangerous Goods):	Regulated. UN Number: 2286 Proper Shipping Name: Pentamethylheptane Classes: 3 Flammable and combustible liquid. Packing Group: Group III
IATA (International Air Transport Association):	Regulated. UN Number: 2286 Proper Shipping Name: Pentamethylheptane Classes: 3 Flammable and combustible liquid. Packing Group: Group III
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Registered: All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16 OTHER INFORMATION

Revision Date: 30-Oct-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 suitability & completeness of such information for his own particular use.