

## Isododecane

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

Revision Date: 03-16-2016  
Supersedes: 11-07-2012

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Isododecane  
**Synonyms:** Not available  
**INCI Name:** Isododecane  
**CAS Number:** 31807-55-3  
**Formula:** C<sub>12</sub>H<sub>26</sub>  
**Product Form:** Liquid  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics.com Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

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

### 2 HAZARDS IDENTIFICATION

**GHS Classification:**  
**GHS Signal Word:**

Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2  
**WARNING**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H315: Causes skin irritation  
H319: Causes serious eye irritation  
H304: May be fatal if swallowed and enters airways  
H226: Flammable liquid and vapor

**GHS Precautionary Statements:**

P281: Use personal protective equipment as required  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

**Potential Health Hazards:**

Eyes: Mild irritant.  
Inhalation: Irritant.  
Skin: Not expected to be irritant.  
Ingestion: Irritant.

**NFPA Ratings (704):**

Health	0	Minimal
Flammability	1	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	N/A	170.33

### 4 FIRST AID MEASURES

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

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	Water, foam, dry chemical or carbon dioxide.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus.
<b>Flash Points:</b>	43°C
<b>Specific hazards arising from the chemical:</b>	May emit noxious fumes.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Prevent entry into waterways, sewers, basements or confined areas. Biodegradable product.
<b>Methods and material for containment and cleaning up:</b>	Eliminate source of ignition. Shut off sources, if possible to do so safely.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Keep container in a cool, well ventilated area. Avoid possible sources of ignition.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Isododecane	N/A		

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:

<b>Eyes:</b>	Safety glasses, goggles, or face shield recommended for eye protection.
<b>Inhalation:</b>	Appropriate NIOSH approved respiratory protection may be worn.
<b>Body:</b>	Gloves and protective clothing should be worn to prevent prolonged skin contact.
<b>Other:</b>	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

<b>Appearance, Physical State:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Odor:</b>	Characteristic	<b>Vapor Density:</b>	Not available
<b>Taste:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Color:</b>	Colorless	<b>Flammability:</b>	Not available
<b>Molecular Weight:</b>	Not available	<b>Upper/lower Explosive Limit:</b>	Not available
<b>pH (10% sol. in water)</b>	Not available	<b>Solubility:</b>	Insoluble in water. Soluble with silicones, hydrocarbons, isoparaffin, and mineral spirits.
<b>Boiling Point:</b>	Not available		
<b>Melting Point:</b>	Not available		
	43°C		
<b>Flash Point:</b>			
<b>Specific Gravity:</b>	0.74-0.75 g/sq.cm		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under normal conditions.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Keep away from heat, sparks and flame.
<b>Incompatible Materials:</b>	Not available.
<b>Hazardous Decomposition Products:</b>	May emit noxious fumes of CO.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Not available
<b>Skin:</b>	Not available
<b>Eyes:</b>	Not available
<b>Respiratory:</b>	Not available
<b>Ingestion:</b>	Not available
<b>Carcinogenicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Germ Cell Mutagenicity:</b>	Not available
<b>Embryotoxicity:</b>	Not available
<b>Specific Target Organ Toxicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>Respiratory/Skin Sensitization:</b>	Not available

## 12 ECOLOGICAL INFORMATION

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

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	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.
<b>Product Containers:</b>	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

<b>DOT (Dept. of Transportation, USA):</b>	UN Number UN2286, Proper Shipping Name: Pentamethylheptane; Classes: 3; Packaging: III; Additional Information: B1, IB3, T2, TP1;
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Label 

**IMDG (International Maritime Dangerous Goods):**

IMDG Class; UN Number UN2286, Proper Shipping Name: Pentamethylheptane; Classes: 3; Packaging: III; Additional Information: Emergency schedules (EmS), F-E, S-D;



**IATA (International Air Transport Association):**

IATAODGR Class; UN Number UN2286, Proper Shipping Name: Pentamethylheptane; Classes: 3; Packaging: III; Additional Information: Passenger aircraft 355: 60L; Cargo Aircraft 366: 220L



Label

## 15 REGULATORY INFORMATION

**TSCA Inventory Status:** Listed as Isododecane  
**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:** 03-16-2016  
**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.