

Isododecane

Properties

Isododecane is a clear, colour- and odourless, volatile liquid, which makes it perfect for use in colour cosmetics like mascara, eyeliner, lip products or any product where improved wear properties and no residues are wanted. Ideal for make-up removers - no oily residue. Volatile, lipophilic component for deodorant sprays and hair care applications.

Specification

Analysis	Specification	Method No.*
Sum of C12 hydrocarbons	min. 98.0 wt.-%	3002-0202103-98D
Sum of C8+C16 hydrocarbons	max. 2.0 wt.-%	3002-0202103-98D
Aromatics	max. 0.0001 wt.-%	3002-0600203-97D
Total carbonyls calculated as acetaldehyde	max. 5.0 mg/kg	3002-0605201-00D
Bromine index	max. 15 mg/ Br ₂ /100 g	3002-0300502-98D
Sulphur	max. 1.0 mg/kg	3002-0302802-00D
Peroxides	max. 1.0 mg/kg	3002-0300502-98D
Water	max. 0.005 wt.-%	3002-0300101-95D
Evaporation residue	max. 1mg/hml	3002-0100201-95D
Neutralisation number	max. 0,01mg KOH/g	3002-0300303-98D

* Refers to the analysis methods used when compiling this product information sheet.

Physical / Chemical Data

Density at 20 °C	0.74 g/ml	Safety data and information relating to environmental aspects can be found in the safety data sheet, which is available on request from the address below.
at 15 °C	0.75 g/ml	
Refractive index n_D^{20}	1.421 - 1.422	
Boiling range start	176 °C	
5 % vol.	179 °C	
95 % vol.	183 °C	
Boiling range end	192 °C	

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In the United States of America the LANXESS business is conducted by LANXESS Corporation, Pittsburg, PA. Customers in the US are kindly asked to address their requests directly to this legal entity.

Isododecane

Storage and Handling

In the original sealed containers the product can be stored for at least two years. Protect from light and moisture. Temperature not exceeding 30°C. Ventilate room well. Solvent-resisting equipment and floor-covering needed.

Shelf Life

At least 2 years in original sealed containers.

Packaging

150 kgs net Drums (Steel)

Labeling

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC, including amendments and take into account the intended product use.

Hazard symbol or symbols :

Harmful, Contains isododecane

Risk phrases:

R10- Flammable.

R65- Harmful: may cause lung damage if swallowed.

Safety phrases:

S23- Do not breathe gas, vapour or spray.

S24- Avoid contact with skin.

S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Legal Situation

Isododecane complies with the regulations in the European Union, the United States of America and Japan.

INCI: Isododecane
CAS No.: 93685-81-5 / 31807-55-3 / 013475-82-6
EINECS No.: 297-629-8
Customs Tariff No.: 271011 21

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Advantages

- volatile, no residues
- non greasy
- light emollient feeling
- colourless
- good compatibility with other ingredients
- highly stable
- non comedogenic
- dermatologically safe

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Application

- Colour cosmetics
- Make-up removers
- Pre- and Aftershaves
- Mousses
- Sun care and Skin Care
- Deodorant spray and sticks

Excellent solvent for use in products where a residual feeling is not desirable. Volatility can be adjusted by other Isoparaffines. Excellent improve of spreadability.

Date of Issue

Version 2, June 2008

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