

**SECTION 1: Identification**

Product Name: Isododecane
Chemical Name: 2,2,4,6,6-pentamethylheptane | CAS: 13475-82-6 | EC: 236-757-0
Product Form: Substance (mono-constituent) | Formula: C₁₂H₂₆
Intended Use: Cosmetics, personal care products. Not for use as a food ingredient.
Supplier: TKB Trading, LLC | 939 E 11th St, Oakland, CA 94606
Email / Web: support@tkbtrading.com | www.tkbtrading.com
Emergency: CHEMTREC 24hr/7days | USA/Canada: 1-800-424-9300 | Intl: +1-703-527-3887
Standard: 29 CFR §1910.1200, HCS 2024 | Revision: 9/8/2025 | Version 2.1

SECTION 2: Hazard Identification**GHS US Classification:**

Flammable liquid, Category 3	H226	Flammable liquid and vapor.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Hazardous to aquatic environment — Chronic, Cat. 4	H413	May cause long lasting harmful effects to aquatic life.

Signal Word: DANGER**Hazard Statements:** H226 · H304 · H413**Precautionary Statements (key):**

P210 · P233 · P240 · P241 · P242 · P243 · P273 · P280
P301+P310 · P303+P361+P353 · P331
P370+P378 · P403+P235 · P405 · P501

SECTION 3: Composition / Ingredients

Ingredient	CAS No.	% (w/w)	GHS US Classification
Isododecane	13475-82-6	100%	Flam. Liq. 3 H226; Asp. Tox. 1 H304; Aquatic Chronic 4 H413

SECTION 4: First Aid Measures

General: Call a physician immediately.
Inhalation: Remove to fresh air and keep comfortable for breathing.
Skin Contact: Rinse skin with water/shower. Remove all contaminated clothing immediately.
Eye Contact: Rinse immediately with plenty of water as a precaution.
Ingestion: Do NOT induce vomiting. Call a physician immediately.
Symptoms: Risk of lung edema if swallowed. Aspiration hazard — may be fatal.

SECTION 5: Fire-Fighting Measures

Suitable Media: Water spray, dry powder, foam, carbon dioxide.
Unsuitable Media: Water spray jet.
Fire Hazard: Flammable liquid and vapor.
Decomp. Products: Carbon oxides (CO, CO₂).
Firefighter PPE: Fight from safe distance. SCBA. Complete protective clothing.

SECTION 6: Accidental Release Measures

General: Stop leak if safe. Notify authorities if enters sewers/public waters. No open flames/sparks.
Personal Precautions: Wear recommended PPE. Ventilate area. Avoid breathing vapors.
Environmental: Avoid release to the environment.
Containment: Absorb with sand or earth. Contain spills with dikes. Stop leak if possible without risk.
Cleanup: Take up liquid spill into absorbent material. Notify authorities if enters sewers.

SECTION 7: Handling and Storage

Safe Handling:	Ensure good ventilation. Keep away from heat, sparks, open flames, ignition sources. No smoking. Ground/bond containers. Use non-sparking tools. Use explosion-proof equipment. Wear PPE.
Hygiene:	Do not eat/drink/smoke. Always wash hands after handling.
Storage:	Store at room temperature. Cool, well-ventilated. Keep container tightly closed. Store locked up.
Technical Measures:	Ground/bond container and receiving equipment.

SECTION 8: Exposure Controls / Personal Protection

OEL Components:	No established OELs for Isododecane.
Engineering Controls:	Ensure good ventilation of the work station.
Hand Protection:	Protective gloves.
Eye Protection:	Safety glasses.
Skin/Body Protection:	Wear suitable protective clothing.
Respiratory:	In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental:	Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

Physical State:	Liquid	Flammability:	Not applicable
Appearance:	Clear	Vapor Pressure:	No data available
Color:	Colorless	Density:	0.74 g/cm ³ [20°C]
Odor:	Mild characteristic	Solubility:	No data available
Odor Threshold:	No data available	Log Pow:	No data available
pH:	No data available	Auto-ignition Temp.:	No data available
Boiling Point:	176–192 °C	Explosive Properties:	No data available
Flash Point:	45 °C (Closed cup)	Oxidizing Properties:	None reported

SECTION 10: Stability and Reactivity

Reactivity:	Flammable liquid and vapor.
Chemical Stability:	Stable under normal conditions.
Hazardous Reactions:	No dangerous reactions under normal conditions.
Conditions to Avoid:	Contact with hot surfaces. Heat. No flames, no sparks. Eliminate all ignition sources.
Incompatible Materials:	No additional information available.
Hazardous Decomp. Products:	None under normal storage and use.

SECTION 11: Toxicological Information

Acute Toxicity (Oral):	Not classified. Isododecane LD50 oral rat >5000 mg/kg.
Acute Toxicity (Dermal):	Not classified. LD50 dermal rabbit >5000 mg/kg.
Acute Toxicity (Inhalation):	Not classified. LC50 inh. rat >4.95 mg/l air (4h).
Skin Corrosion/Irritation:	Not classified.
Serious Eye Damage/Irritation:	Not classified.
Resp./Skin Sensitization:	Not classified.
Germ Cell Mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive Toxicity:	Not classified.
STOT-Single Exposure:	Not classified.
STOT-Repeated Exposure:	Not classified. NOAEL oral rat 90d >1000 mg/kg bw.
Aspiration Hazard:	May be fatal if swallowed and enters airways. Kinematic viscosity: 5.2 mm ² /s (20°C).

SECTION 12: Ecological Information

General:	May cause long lasting harmful effects to aquatic life.
Chronic Aquatic Hazard:	May cause long lasting harmful effects to aquatic life.
Aquatic Toxicity:	LC50 Fish >2.8 mg/l (96h, Danio rerio). Isododecane: LC50 >1000 mg/l (fish); EC50 Daphnia >1000 mg/l.
Persistence/Degradability:	Not readily biodegradable.
Bioaccumulation:	Low bioaccumulation potential.
Mobility in Soil:	Low potential for mobility. Log Koc: 4.9–5.1.
Ozone:	Not classified Fluorinated GHG: No

SECTION 13: Disposal Considerations

Waste Treatment:	Dispose per licensed collector instructions in accordance with local/national regulations.
Additional:	Flammable vapors may accumulate in container. Do not re-use empty containers.

SECTION 14: Transport Information

	DOT	TDG	IMDG	IATA
UN No.:	UN2286	UN2286	2286	2286
Shipping Name:	Pentamethylheptane	PENTAMETHYLHEPTANE	PENTAMETHYLHEPTANE	Pentamethylheptane
Hazard Class:	3	3	3	3
Packing Group:	III	III	III	III
Env. Hazard:	No	No	No	No

SECTION 15: Regulatory Information

US Federal (TSCA):	All components present and listed as Active on EPA TSCA inventory.
International:	No additional information available.
State Regulations:	No additional information available.

SECTION 16: Other Information

Revision Date:	9/8/2025 Issue Date: 9/29/2023 Version: 2.1
Standard:	29 CFR §1910.1200, Hazard Communication Standard (HCS 2024)

Full text of H-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

The information in this SDS is believed to be accurate and given in good faith but no warranty as to completeness or accuracy is made. Users are responsible for determining the suitability of these products for their own particular purpose. It is hereby confirmed that the delivered goods have been examined and are in accordance with our confirmation of order.