



## Safety Data Sheet According to Regulation (EU) 830/2015

### 5261 Isohexane - Mixture of isomers

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Name:

Isohexane - Mixture of isomers

##### Synonym:

Methylpentane

**REACH Registration Number:** 01-2119474209-33-XXXX

##### 1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

##### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

##### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

#### 2. Identification of dangers

##### 2.1 Classification of the substance or the mixture.

Flam. Liq. 2

Asp. Tox. 1

Acute Toxicity Inhalation cat. 4

Skin Irrit. 2

Aquatic Chronic 2

## 2.2 Label elements:

### Hazard Pictograms



### Signal word

#### Hazard statements

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H336 May cause drowsiness or dizziness.
- H315 Causes skin irritation.
- H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P243 Take precautionary measures against static discharge.
- P242 Use only non-sparking tools.
- P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

## 2.3 Other hazards:

No further relevant information available.

## 3. Composition/information on ingredients

### 3.1 Substances

Mixture of hydrocarbons, chiefly consisting of:

2-methylpentane. 3-methylpentane. n-Hexane.

Name: Isohexane - Mixture of isomers

Formula: C<sub>6</sub>H<sub>14</sub> M.= 86,18 CAS [64742-49-0]

EC number (EINECS): 265-151-9

EC index number: 601-007-00-7

REACH Registration Number: 01-2119474209-33-XXXX

### 3.2 Mixtures

## 4. First aid measures

### 4.1 Description of first aid measures

Never provide drink or induce vomiting in the event of loss of consciousness.

## **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

## **4.3 Indication of any immediate medical attention and special treatment needed**

### **Swallowing:**

Do not induce vomiting. Call for medical help. Do not administer digestive oils. Do not drink milk. Avoid stomach lavage.

### **Inhaling:**

Take the person out into the fresh air. In the event of suffocation, proceed to provide artificial respiration.

### **Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

### **Eyes:**

Wash with plenty of water, keeping eyelids open. Seek medical assistance.

## **5. Firefighting measures**

### **5.1 Extinguishing media:**

Alcohol resistant foam. Dry powder.

### **5.2 Special hazards arising from the substance or mixture:**

Flammable. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. Auf Rückzündung achten

### **5.3 Advice for firefighters:**

Suitable clothing and footwear.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the fumes.

### **6.2 Environmental precautions:**

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

### **6.3 Methods and material for containment and cleaning up:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

### **6.4 Reference to other sections**

Not applicable

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

Avoid the formation of electrostatic charges.

## **7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat.

**Recommended storage temperature:** Room temperature. Do not store in plastic containers.

## **7.3 Specific end use(s)**

No more relevant data available

# **8. Exposure controls/personal protection**

## **8.1 Control parameters:**

Data not available.

## **8.2 Exposure controls**

Ensure good ventilation and renewal of the air in the premises.

Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection.

Hand protection:

Use suitable gloves

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Remove contaminated clothing. Use complete protective equipment. Wash hands and face before breaks and when the job is done.

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

# **9. Physical and chemical properties**

## **9.1 Information on basic physical and chemical properties**

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: -153 °C

Initial boiling point and boiling range: 60 °C

Flash point: - 7 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: 7,4 %(V) / 1 %(V)

Vapour pressure: 133 hPa (20 °C)

Vapour density: N/A

Relative density: (20/4) 0,653 g/ml

Solubility: Inmiscible with water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A  
Kinematic viscosity: N/A  
Dynamic viscosity:  
N/A

## **9.2 Other information**

No more relevant data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No specific data.

### **10.2 Chemical stability:**

The gases/fumes can form explosive mixtures with the air.

### **10.3 Possibility of hazardous reactions**

No specific data.

### **10.4 Conditions to avoid:**

High temperatures.

### **10.5 Incompatible materials:**

Strong oxidant agents.

### **10.6 Hazardous decomposition products:**

No specific data.

## **11. Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity:

: Data not available.

Dangerous effects for health:

If fumes inhaled: Irritations to the respiratory tracts. Upon contact with the skin: Risk of cutaneous absorption. If swallowed: nausea Due to absorption: dizziness tiredness narcosis Prolonged exposure causes effects on the central nervous system paralysis Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

#### **- EC50 test (mg/l):**

Bacteria (Photobacterium phosphoreum) 104 mg/l

Classification:

Highly toxic

Fish (Leuciscus Idus) 4480 mg/l

Classification:

Very toxic

#### **- Receptor medium:**

Risk for the water environment

Low

Risk for the land environment

Low

#### **- Observations:**

Acute ecotoxicity in line with the dumping concentration.

## **12.2 Persistence and Degradability :**

**- Test:**

**- Biotic degradation classification:**

BOD5/COD

Biodegradability

**- Abiotic degradation depending on pH:**

**- Observations:**

Data not available.

## **12.3 Bioaccumulative potential:**

**- Test:**

**- Bioaccumulation:**

Risk

**- Observations:**

Data not available.

## **12.4 Mobility in soil :**

Data not available.

## **12.5 Assessment PBT and MPMB :**

Data not available.

## **12.6 Other adverse effects:**

Hardly pollutant product.

Risk of formation of explosive fumes on the surface of the water.

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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## **14. Transport information**

**14.1 UN number**

UN1208

**14.2 UN proper shipping name**

HEXANES

**14.3 Transport hazard class(es)**

3

**14.4 Packing group**

ADR/IMDG: II

IATA: II

**14.5 Environmental hazards**

PELIG.M.AMB

**14.6 Special precautions for user**

Not applicable

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Categorized as hydrocarbon substance.

**15.2 Chemical safety assessment**

Not applicable

**16. Other information**

**Other precautionary statements**

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P352 Wash with plenty of soap and water.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use for extinction.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P273 Avoid release to the environment.

P391 Collect spillage.

Version and revision date : 7 07.06.2018

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In respect of the previous review, changes have been made to the following sections: 2

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.