



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006

122701 Petroleum Ether 60-80°C PA

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

Petroleum Ether 60-80°C

1.2 Use of the substance/preparation:

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

Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.:(+34) Tel.:(+34) 937 489 499

2. Identification of dangers

Highly flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

"Restricted to professional users" as specified in Directive 97/56/EC.

3. Component Composition/Information

Mixture of hydrocarbons, chiefly consisting of: 3-methylpentane, n-hexane.

Name: Petroleum Ether 60-80°C

CAS [64742-49-0]

EC number (EINECS): 265-151-9

EC index number: 649-328-00-1

4. First aid

4.1 General indications:

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

4.2 Inhaling:

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

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

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

4.5 Swallowing:

Risk of aspiration. Seek medical assistance. Administer Vaseline oil as a laxative (3 ml/kg). Administer a solution of medical-usage active charcoal. Do not drink milk. Avoid stomach lavage. Do not administer digestive oils.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Carbon dioxide (CO₂). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Flammable. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air.

5.4 Protective equipment:

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the fumes.

6.2 Precautions for care of the environment:

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

6.3 Methods for collection/cleaning:

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.

7. Handling and storage

7.1 Handling:

Avoid the formation of electrostatic charges.

7.2 Storage:

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat. Atmospheric temperature. Do not store in plastic containers.

8. Staff exposure/protection controls

8.1 Technical protective measures:

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

8.2 Exposure limit control:

8.3 Respiratory protection:

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

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

9. Physical and chemical properties

Appearance:

Transparent, colourless liquid.

Odour:

Characteristic.

Boiling point: 60-80°C

Flash point: -18°C

Self-ignition temperature: 250°C

Explosion limits (lower/upper): 0,6 / 8 Vol. %

Vapour pressure: (20°C) 350 hPa

Density (20/4): 0,67

Solubility: Inmiscible with water.

10. Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Strong oxidant agents. Rubber.

10.3 Hazardous decomposition products:

10.4 Complementary information:

11. Toxicological information

11.1 Acute toxicity:

LC₅₀ inh rat: 3400 ppm/4h.

11.2 Dangerous effects for health:

Upon contact with the skin: irritations.

Through contact with the eyes: irritations.

If fumes inhaled: Irritations to the respiratory tracts.

If swallowed: nausea. Risk of aspiration upon vomiting. Can cause pneumonia.

If it is absorbed in large quantities: headaches, vertigo, anxiety, spasms, cardiovascular disorders.

12. Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC₅₀ test (mg/l):

Fish (*Leuciscus Idus*) = 159 mg/l ; Classification: Highly toxic

Animals for fish food = 70 mg/l ; Classification: Extr. toxic

12.2.2 - Receptor medium:

Risk for the water environment = High

Risk for the land environment = Medium

12.2.3 - Observations:

Acute ecotoxicity in line with the dumping concentration.

12.3 Degradability:

12.3.1 - Test:-----

12.3.2 - Biotic degradation classification:

BOD₅/COD Biodegradability = -----

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Biodegradable product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

Data not available.

12.5 Other possible effects on the environment:

Hardly pollutant product. Risk of formation of explosive fumes on the surface of the water. Dangerous for drinking water. Do not allow it to enter soils or water channels.

13. Considerations regarding elimination

13.1 Substance or preparation:

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.

13.2 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.

14. Information concerning transport

Overland (ADR):

Technical name: DESTILADOS DEL PETROLEO, N.E.P.

ONU 1268 Class: 3 Packaging group: II (D/E)

By sea (IMDG):

Technical name: DESTILADOS DEL PETROLEO, N.E.P.

ONU 1268 Class: 3 Packaging group: II

By air (ICAI-IATA):

Technical name: Destilados de petróleo, n.e.p.

ONU 1268 Class: 3 Packaging group: II

Packaging instructions: CAO 307 PAX 305

15. Mandatory information

15.1 Labelling as per REACH

Symbols: 

Danger indications: Highly flammable Harmful Dangerous for the environment

Phrases R: 11-38-48/20-51/53-62-65-67 Highly flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

Phrases S: 16-23c-24-33-36/37-61-62 Keep away from sources of ignition - No smoking. Do not breathe vapour. Avoid contact with skin. Take precautionary measures against static discharges. Wear suitable protective clothing and gloves. Avoid release to the environment. Refer to special instructions-safety data sheet. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

EC index number: 649-328-00-1

16. Other information

Review number and date: 2 07.06.09

In respect of the previous review, changes have been made to the following sections: 3, 15. 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.