

Trade name: Petroleum purificatum KP200-240 °C

Substance number: 156400

Version: 6 / CH

Date revised: 21.06.2024

Replaces Version: 5 / CH

Print date: 21.06.24

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Petroleum purificatum KP200-240 °C

Item No. 15640000

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Solvent

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1 H304

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements ***

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

P331 Do NOT induce vomiting.

P405 Store locked up.

P501.3 Disposal in compliance with local and national regulations.

P243 Take action to prevent static discharges.

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P302+P352

IF ON SKIN: Wash with plenty of soap and water.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Supplemental information

EUH066

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**Molecular weight**

Value

174

g/mol

Hazardous ingredients**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

CAS No.

64742-47-8

EINECS no.

926-141-6

Registration no.

01-2119456620-43-XXXX

Concentration

>= 50

%

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1

H304

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take affected person to fresh air. Remove contaminated clothing immediately and dispose of safely. Summon a doctor immediately.

After inhalation

Ensure supply of fresh air. Seek medical advice immediately. If the patient is likely to become unconscious, place and transport in stable sideways position. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Do not induce vomiting. Seek medical advice immediately. If swallowed, rinse mouth with water (only if the person is conscious). Turn a vomiting person lying on his back onto his side. Symptoms may occur with a delay.

4.2. Most important symptoms and effects, both acute and delayed

Inhaling high concentrations of vapour can lead to symptoms such as headaches, dizziness, fatigue, nausea and vomiting. Important or other important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11. Aspiration hazard if swallowed - may enter the lungs and damage them.

4.3. Indication of any immediate medical attention and special treatment needed

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Hints for the physician / treatment

Symptomatic treatment (decontamination, vital functions).

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation. Frequent and persistent contact with the skin can cause dermatitis.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

recommended: alcohol resistant foam, CO₂-blanket, water spray/mist, Dry chemical extinguisher, Foam, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Vapours heavier than air. Forms explosive mixture with air are possible. Re-ignition possible at long range. The product floats on water and does not dissolve. Product floats and can re-ignite on surface water. Development of toxic gases; Carbon monoxide (CO); Carbon dioxide (CO₂); Sulphur oxides

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear full protective suit.

Other information

Cool endangered containers with water spray jet. Heating leads to an increase in pressure - risk of bursting. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Keep away unprotected persons. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothing. Do not inhale vapours.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers). Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. When picked up, treat material as prescribed under Section 13 "Disposal". Provide adequate ventilation.

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good room ventilation even at ground level (vapours are heavier than air). Handle and open container with care.

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Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Avoid contact with skin, eyes and clothing. Avoid inhaling dusts/ billows/ steams.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours are heavier than air and may spread along floors. Vapours can form an explosive mixture with air. Take action to prevent static discharges. Use explosion-proof equipment/fittings and non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Provide solvent-resistant and impermeable floor. Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated. Use steel or stainless steel containers.

Hints on storage assembly

Do not store together with: Oxidising agents, Oxidizing and spontaneously flammable products

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

Further information on storage conditions

Keep container in a well-ventilated place. Keep container tightly closed, cool and dry. Protect from heat and direct sunlight.

SECTION 8: Exposure controls/personal protection ***

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Avoid prolonged and/or repeated contact with skin. Do not inhale gases. Do not inhale aerosols. Do not inhale vapours. At work do not eat, drink, smoke or take drugs.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. At intensive and longer exposition use self-contained breathing apparatus. combination filter A-P2

Hand protection ***

Gloves (solvent-resistant)			
Appropriate Material		nitrile rubber - NBR	
Material thickness		0.35	mm
Breakthrough time	>	480	min
Hand protection must comply with EN 374.			
Gloves (solvent-resistant)			
Appropriate Material		PVC	
Material thickness	>	0.35	mm
Breakthrough time	>	240	min
Appropriate Material		neoprene	
Material thickness	>	0.35	mm
Breakthrough time	>	240	min

Eye protection

Safety glasses with side protection shield

Body protection

Solvent-resistant protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state	liquid			
Colour	colourless			
Odour	paraffin-like			
Melting point				
Value	<	-50		°C
Boiling point or initial boiling point and boiling range				
Value		193	to	245 °C
Pressure		1013		hPa
Upper and lower explosive limits				
Lower explosion limit		0.6		%(V)
Upper explosion limit		5.5		%(V)
Flash point				
Value		73		°C
Method		ASTM D 93		
pH value				
Remarks		Not applicable		
Viscosity				
kinematic				
Value		1.97		mm ² /s
Temperature		25		°C
Partition coefficient n-octanol/water (log value)				
log Pow		6	to	8.2
Remarks		No data available		
Vapour pressure				
Value		0.19	to	0.25 hPa
Temperature		20		°C
Value		4		hPa
Temperature		50		°C
Density and/or relative density				
Value		0.792		g/cm ³
Temperature		20		°C
Value		0.787		g/cm ³
Temperature		15		°C

9.2. Other information

Evaporation rate				
Value		800		kg/s/m ²
Method		DIN 53170		
Value		0.01		kg/s/m ²
Method		ASTM D3539		
Solubility in water				
Remarks		insoluble		
Auto-ignition temperature				
Value		236		°C
Surface tension				
Value		29		mN/m
Temperature		20		°C

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SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Strong reactions with strong oxidising agents possible. Vapours can form an explosive mixture with air.

10.4. Conditions to avoid

Protect from heat/overheating. Heat. Flames. Sparks. Protect from direct sunlight.

10.5. Incompatible materials

Strong oxidising agents, Reactions with strong acids.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, sulphurous oxides (SO_x)

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (Components)

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

Acute dermal toxicity (Components)

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 402		

Acute inhalative toxicity (Components)

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species	rat		
LC50	>	20	mg/l
Duration of exposure		4	h
Administration/Form	Vapors		
Method	OECD 403		

Skin corrosion/irritation

Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.
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Skin corrosion/irritation (Components)

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

evaluation	slightly irritant
Remarks	Longer or repeated exposure with the product may cause dermatitis

Serious eye damage/irritation

Remarks	No effect of irritation known
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Serious eye damage/irritation (Components)

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

evaluation	non-irritant
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Sensitization

Remarks No sensitisation effect known.

Sensitization (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Remarks None

Mutagenicity (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Remarks None

Reproduction toxicity (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

evaluation No negative effects

Carcinogenicity (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

evaluation No negative effects

Specific Target Organ Toxicity (STOT) (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Repeated exposure

Route of exposure dermal

Aspiration hazard

Harmful: may cause lung damage if swallowed.

Aspiration hazard (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Harmful: may cause lung damage if swallowed.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**Species rainbow trout (*Oncorhynchus mykiss*)

NOELR 0.17 mg/l

Duration of exposure 28 d

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromaticsSpecies rainbow trout (*Oncorhynchus mykiss*)

IC50 > 1000 mg/l

Duration of exposure 96 h

Daphnia toxicity (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**Species *Daphnia magna*

> 1000 mg/l

Duration of exposure 48 h

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromaticsSpecies *Daphnia magna*

NOELR 1.22 mg/l

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Duration of exposure 21 d

Algae toxicity (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Remarks Not applicable

Source BM000461 SDS Brenntag 20151005

12.2. Persistence and degradability**Physico-chemical eliminability (Components)****Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

evaluation Readily biodegradable

Biodegradability (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

evaluation Readily biodegradable

Ready degradability (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics****12.3. Bioaccumulative potential****Partition coefficient n-octanol/water (log value)**

log Pow 6 to 8.2

Remarks No data available

Octanol/water partition coefficient (log Pow) (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

pOW 6 to 8.2

12.4. Mobility in soil**Mobility in soil**

The product is insoluble and floats on water.

Adsorbs on soil.

Mobility in soil (Components)**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Adsorbs on soil.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

The product is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment *****

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information / ecology**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code No not dispose with rubbish.
 Recovery or recycling, if possible. Otherwise: combustion in incineration plant.
 EWC waste code Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.
 Do not burn empty containers or work with cutting torch.
 Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information ***

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

Water Hazard Class (Germany) ***

Water Hazard Class WGK 1
 (Germany)
 Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

National regulations Switzerland

Swiss Toxicity Class 0 (free)
 SFOPH T no. 610 200

SECTION 16: Other information

Hazard statements listed in Chapter 3

H304 May be fatal if swallowed and enters airways.

CLP categories listed in Chapter 3

Asp. Tox. 1 Aspiration hazard, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.