

Trade name: Gasolinum KP 60-95 °C

Substance number: 155100 Version: 3 / CH Date revised: 21.02.2018

Replaces Version: 2 / CH Print date: 21.02.18

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

1.1. Product identifier

Gasolinum KP 60-95 °C

Item No. 15510000

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

Hänseler AG

Industriestrasse 35

person responsible

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

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)

Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Chronic 2 H411

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 ***

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.



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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.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

P331 Do NOT induce vomiting.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

contains Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-

hexane; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Hydrocarbons, C6,

%

isoalkanes, <5% n-hexane

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Hazardous ingredients (Regulation (EC) No. 1272/2008) ***

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EINECS no. 921-024-6

Registration no. 01-2119475514-35-XXXX

Concentration >= 50

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

Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Chronic 2 H411

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

EINECS no. 927-510-4

Registration no. 01-2119475514-35-XXXX

Concentration >= 50 %

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

Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Chronic 2 H411

Hydrocarbons, C6, isoalkanes, <5% n-hexane

CAS No. 64742-49-0 EINECS no. 931-254-9

Registration no. 01-2119484651-34-XXXX

Concentration >= 25 < 50 %

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

Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Chronic 2 H411



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. If necessary, give oxygen. Summon a doctor immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an Occulist.

After ingestion

Do not induce vomiting. Summon a doctor immediately. If swallowed, rinse mouth with water (only if the person is conscious).

4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / treatment

Treat symptomatically

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide. Alcohol-resistant foam. Dry chemical extinguisher. Water mist

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO2); Can build mixtures of gas and air which are capable of explosion. Vapours heavier than air. Can build mixtures of gas and air which are capable of explosion.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full protective suit. Do not allow run-off from fire fighting to enter drains or water courses.

Other information

Cool endangered containers with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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



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6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not empty into drains, caverns and basements. 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 (eg sand, kieselgur, acid binder, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal". Ensure 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. Avoid formation of aerosols.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours can form an explosive mixture with air. Take precautionary measures against static discharge. Use explosion-proof equipment/fittings and non-sparking tools. Risk of explosion if the liquid enters the drains.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

explosion proof. Provide solvent-resistant and impermeable floor. Keep tightly closed in a dry and cool place.

Hints on storage assembly

Do not store with oxidizing agents.

Storage classes

Storage class according to TRGS 510 3 Flammable liquid Storage category (Switzerland) 3 Flammable liquid

Further information on storage conditions

Protect from heat and direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Derived No/Minimal Effect Levels (DNEL/DMEL)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Type of value Derived No Effect Level (DNEL)
Reference group Worker

Reference group Worker
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 773 mg/kg

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term



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Route of exposure inhalative
Mode of action Systemic effects

Concentration 2035 mg/m³

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Long term

Route of exposure dermal

Mode of action Systemic effects

Concentration 699 mg/kg

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Consumer

Long term

inhalative

Systemic effects

Concentration 608 mg/m³

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Long term
Route of exposure oral

Mode of action Systemic effects

Concentration 699 mg/kg

Source Safety Data Sheet Supplier

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 300 mg/kg/d

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Concentration

Worker

Long term

inhalative

Systemic effects

Concentration 2085 mg/m³

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 149 mg/kg/d

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group Consumer



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Duration of exposure Long term
Route of exposure inhalative
Mode of action Systemic effects

Concentration 477 mg/m³

Source Safety Data Sheet Supplier

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Long term
Route of exposure oral

Concentration 149 mg/kg/d

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 13964 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Worker

Long term

inhalative

Systemic effects

Concentration 5306 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 1377 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Long term

Route of exposure inhalative

Mode of action Systemic effects

Concentration 1137 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Long term
Route of exposure oral

Mode of action Systemic effects

Concentration 1301 mg/kg/d

8.2. Exposure controls

Exposure controls

See Section 7. No measures exeeding the ones mentioned necessary.

General protective and hygiene measures

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



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Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Gas filterA.

Hand protection

Gloves (solvent-resistant)

Appropriate Material nitrile rubber - NBR
Material thickness 0.35 mm

Not suitable: gloves of natural latex Not suitable: gloves of polychloroprene Not suitable: gloves of butyl rubber - Butyl

Not suitable: PVC gloves Not suitable: leather gloves

Not suitable: gloves made of thick material

Eye protection

Tightly fitting safety glasses

Body protection

Solvent-resistant protective clothing

SECTION 9: Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

Form Liquid
Colour colourless
Odour weak
Initial boiling point and boiling range

Value 48 to 105 °C

Flash point

Value < 0 °C

Upper/lower flammability or explosive limits

Lower explosion limit 0.6 %(V)
Upper explosion limit 7.4 %(V)

Vapour pressure

Remarks No data available

Density

Value 0.688 g/cm³

Solubility in water

Remarks virtually insoluble

Ignition temperature ***

Value > 200 °C

Method DIN 51794

Source Safety Data Sheet Supplier

9.2. Other information

Other information

Forms esplosive mixture with air are possible.

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.



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10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Heat. Flames. Sparks

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Flammable gases/vapours, Carbon monoxide and carbon dioxide

Other information

Danger of explosion. Formation of explosive gas/air mixtures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Species rat

LD50 > 5000 mg/kg

Method OECD 401

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species rat

LD50 > 5840 mg/kg

Method OECD 401 Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species rat

LD50 > 5000 mg/kg

Method OECD 401

Acute dermal toxicity (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Species rat

LD50 > 2000 mg/kg

Method OECD 402

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species rat

LD50 > 2920 mg/kg

Method OECD 402 Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species rat

LC50 > 3000 mg/kg

Method OECD 402

Acute inhalative toxicity (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Species rat

LC50 > 20 mg/l



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Duration of exposure 4 h

Administration/Form Vapors
Method OECD 403

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species rat

LC50 > 23.3 mg/l

Duration of exposure 4 h

Administration/Form Vapors
Method OECD 403
Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species rat

LC50 > 20 mg/l

Duration of exposure 4 h

Administration/Form Vapors
Method OECD 403

Skin corrosion/irritation

Reference substance Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated

Naphtha

Remarks Repeated and prolonged skin contact may lead to defatting and irritation of

the skin.

Source Safety Data Sheet Supplier

Remarks Repeated and prolonged skin contact may lead to defatting and irritation of

the skin.

Skin corrosion/irritation (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

evaluation slightly irritant

Remarks Repeated and prolonged skin contact may lead to defatting and irritation of

the skin.

Serious eye damage/irritation

Reference substance Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated

Naphtha

evaluation slightly irritant

Source Safety Data Sheet Supplier

Sensitization

Reference substance Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated

Naphtha

Remarks No sensitation effect known. Source Safety Data Sheet Supplier

Sensitization (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

evaluation non-sensitizing **Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

evaluation non-sensitizing

Hydrocarbons, C6, isoalkanes, <5% n-hexane evaluation non-sensitizing

Subacute, subchronic, chronic toxicity

Reference substance Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated

Naphtha

Remarks Chronic exposure causes damage of respiratoy organs.

Source Safety Data Sheet Supplier

Remarks Chronic exposure may cause serious damage of skin.



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Mutagenicity (Components)

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

evaluation No experimental indications on genotoxicity in vivo found.

Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

evaluation No experimental indications on genotoxicity in vivo found.

Source Analogous

Experience in practice

Causes a numb feeling. Irritates the mucous membrane.

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity

Reference substance Naphtha (Petroleum), hydrotreated light; low boiling point hydrogen treated

Naphtha

LC50 < 10 mg/l

Fish toxicity (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Species rainbow trout (Oncorhynchus mykiss)
LC50 11.4 mg/l

Duration of exposure 96 h

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species rainbow trout (Oncorhynchus mykiss)

LC50 13.4 mg/l

Duration of exposure 96 h

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species red killifish

LC50 1 mg/l

Duration of exposure 48 h

Source Analogous

Daphnia toxicity (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Species Daphnia magna

NOEC 0.17 mg/l

Duration of exposure 21 d

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Species Daphnia magna
LOEC 0.32
Duration of exposure 21

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species Daphnia magna

NOEC 0.17 mg/l Duration of exposure 21 d

Duration of exposure 21 Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species Daphnia magna

LC50 3.87 mg/l

Duration of exposure 48 h

Source Analogous

Algae toxicity



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IC50 < 10 mg/l

Algae toxicity (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Species Pseudokirchneriella subcapitata

EC50 30 mg/l

Duration of exposure 72 h

Method OECD 201

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species Pseudokirchneriella subcapitata

NOEC 10 mg/l

Duration of exposure 72 h

Source Analogous

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species Pseudokirchneriella subcapitata

EC50 10 to 30 mg/l

Duration of exposure 72 h

Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species Pseudokirchneriella subcapitata

ErC50 55 mg/l

Duration of exposure 72 h

Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

NOEC 30 mg/l

Duration of exposure 72 h

Bacteria toxicity

LC50 < 10 mg/l

12.2. Persistence and degradability

Physico-chemical eliminability

Remarks Quantitative data concerning the ecological effect are not available.

Biodegradability (Components)

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Value 81 %

Duration of test 28 d

evaluation Readily biodegradable

Source Analogous

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Value 98 %

Duration of test 28 d

evaluation Readily biodegradable

Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Value 98 %

Duration of test 28 d

evaluation Readily biodegradable

Source Analogous

12.6. Other adverse effects

General information / ecology

Toxic for aquatic organismes. Do not allow it to reach ground water, water bodies or sewage system. Product is slightly hazardous to water.



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code No not dispose with rubbish.

Disposal in compliance with local and national regulations.

EWC waste code Should not be released into the sanitary sewer system.

Recovery or recycling, if possible. Otherweise: combustion in incineration plant.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information ***

Land transport ADR/RID ***

14.1. UN number

UN 3295

14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

Class 3 Label 3

14.4. Packing group

Packing group III
Limited Quantity 5 I
Transport category 3
Tunnel restriction code D/E

Marine transport IMDG/GGVSee ***

14.1. UN number

UN 3295

14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Air transport ICAO/IATA ***

14.1. UN number

UN 3295

14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Other information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information ***

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



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Water Hazard Class (Germany) ***

Water Hazard Class WGK 3

(Germany)

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information

Hazard statements listed in Chapter 3

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic, Category 2

Asp. Tox. 1 Aspiration hazard, Category 1 Flam. Liq. 2 Flammable liquid, Category 2 Skin Irrit. 2 Skin irritation, Category 2

STOT SE 3 Specific target organ toxicity - single exposure, Category 3

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.