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

- Angaben zum Produkt 7054
- Product name:

Benzin 40 - 60 °C
Benzinum, Aether Petrolei

- **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH
 Herderstr. 31
 40721 Hilden
 Tel.: 02103/4994-0
 Fax: 02103/32360
 e-mail: info@caelo.de

- **Emergency telephone:**

Giftinformationszentrum Mainz
 Langenbeckstr. 1, 55131 Mainz
 Tel.: 06131/19240

- **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

- **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

- **GHS-Labeling Elements:**



- **Signal word:** Danger


- **H-Phrases:**

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

- **P-Phrases:**

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
 P240 Ground/bond container and receiving equipment
 P301 IF SWALLOWED:
 P331 Do NOT induce vomiting
 P273 Avoid release to the environment

Flam. Liq. 2

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Asp. Tox. 1
Skin Irrit. 2
STOT SE 3
Aquatic Chronic 2

3 Composition / information on ingredients

· **Chemical characterization:**

CAS-No. Substance name

64742-49-0 Hydrocarbons, C5-C7, n-Alcanes, iso-Alcanes, <5% n-Hexane

- **EINECS-No.:** 931-254-9
- **REACH Reg. No.:** 01-2119484651-34-0000
- **INCI-Name:** -

4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately. Show product-label or this MSDS.
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. Call in ophthalmologist.
- **after swallowing:** Give activated coal suspension. Avoid vomiting. Danger of aspiration!
Paraffin oil (3 ml/kg). Seek medical advice.

5 Fire-fighting measures


- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible. Vapours heavier /denser than air.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.

6 Accidental release measures

- **Personal protective measures:** Do not inhale vapours.
- **Environmental protective measures:**
Prevent from entering into surface water, the ground water system or soil.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust.

7 Handling and storage

- **Handling:**
- **Informations to fire or explosion protection:** Keep away from ignition sources. Do not smoke..
Take measures to prevent electrostatic charging.
- **Storage:**
- **Requirements for storage areas and containers:** Keep container tightly closed. Store at a good

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ventilated place. Keep away from heat and ignition sources. At room temperature (+15 bis +25°C).

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

MAK Benzin: vgl. MAK-Liste - Besondere Arbeitsstoffe/Benzin

- **Personal protective equipment:**
- **Respiratory protection:** If vapours/aerosols are generated: Filter A.
- **Hand protection:** Protection gloves of nitrile rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties


- **Form:** liquid
- **Colour:** colourless
- **Odour:** characteristic
- **Melting point / melting range:** < -80 °C
- **Boiling point / boiling range:** 40 - 60 °C
- **Flash point:** < -21 °C C
- **Ignition temperature:** 260 °C
- **Explosion limits:**
- **lower:** 1,0 Vol %
- **upper:** 7,4 Vol %
- **Vapour pressure:** (25 °C) 370 hPa
- **Density:** (15 °C) 0,645 – 0,655 g/cm³
- **Solubility in / Miscibility with**
- **Water:** not soluble

10 Stability and reactivity

- **Materials to avoid:** Strong oxidizers.
- **Hazardous reactions:** With air explosive mixtures can be formed.
- **Hazardous decomposition products:** none
- **Additional information:** Not suitable materials: some plastics, rubber.

11 Toxicological information

- **Acute toxicity:**
- LD50 (rat, oral): > 2000 mg/kg
- LC50 (rat, inhal): 54 mg/l, 4h
- LD50 (rabbit, dermal): > 2000 mg/kg
- **Primary irritant effect:**
- **on respiratory organs:** irritations.
- **Sub-acute / chronic toxicity:** After resorption: Headache, vertigo, excitation, Cramps, Inconsciousness. Likely symptoms: Cardiovascular failure and respiratory paralysis. Possible symptoms: Pneumonia.

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12 Ecological information

- **Information about elimination (persistence and degradability):**
Water-soluted fraction biodegradable. Separation with oil separator.
- **Aquatic toxicity:**
Fish toxicity: *Leuciscus idus* LC50: 159 mg/l
Other water organisms: EC10: 70 mg/l
- **General advices:** Prevent from entering sewage water or drainage ditch undiluted or unneutralized.
Danger for drinking water.
- **Water hazard class:** 1 (self classification): slightly hazardous for water.

13 Disposal considerations


- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste or solvent waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**
- **Proper shipping name:** hydrocarbons, liquid, n.o.s., Petrol ether
- **Class:** 3
- **UN-number:** 3295
- **Packing group:** II
- **Classification code:** F1
- **Limited quantities (Table 3.4.6. ADR):** 1 L
- **Hazard classification number:** 30
- **Special provisions (Chapter 3.3 ADR):** 640C, 649
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-E, S-D
- **Properties:** Fp < -21°C

15 Regulatory information

- **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**
The product is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS02, GHS08, GHS09, GHS07
- **Signal word:** Danger
- **H-Phrases:**
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P240 Ground/bond container and receiving equipment

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• **National regulations (Germany):**

• **Water hazard class:** see chapter 12

• **Storage class TRGS 510:** 3

• **VbF class:** AI

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

• **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.