

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

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

#### 1.1 Product identifier

Trade name: Kerosene, low odor

Article number: 26945

CAS Number:

8008-20-6

EC number:

232-366-4

Index number:

649-404-00-4

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

No further relevant information available.

Application of the substance / the mixture: Laboratory chemicals

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SERVA Electrophoresis GmbH

Carl-Benz-Str. 7

D-69115 Heidelberg

Tel.: +49 6221 13840-0

FAX: +49 6221 13840-10

msds.info@serva.de

Information department: Product Safety Department Tel.: +49 6221 13840-35

#### 1.4 Emergency telephone number:

Emergency medical information in case of poisoning

Poison Information Centre Mainz-Tel: +49 (0) 6131 19240

(Counselling in German and English)

**SERVA**  
serving scientists

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:



GHS02

Flam. Liq. 3

H226 Flammable liquid and vapour.



GHS08

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.



GHS09

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

STOT SE 3

H336 May cause drowsiness or dizziness.

(Contd. on page 2)

GB

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

**Trade name: Kerosene, low odor**

(Contd. of page 1)

**· 2.2 Label elements****· Labelling according to Regulation (EC) No 1272/2008:***The substance is classified and labelled according to the GB CLP regulation.***· Hazard pictograms:** GHS02, GHS07, GHS08, GHS09**· Signal word:** Danger**· Hazard statements:***H226 Flammable liquid and vapour.**H315 Causes skin irritation.**H336 May cause drowsiness or dizziness.**H304 May be fatal if swallowed and enters airways.**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.**P273 Avoid release to the environment.**P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.**P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.**P302+P352 IF ON SKIN: Wash with plenty of soap and water.**P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.***· Labelling of packages where the contents do not exceed 125 ml****· Hazard pictograms** GHS02, GHS07, GHS08, GHS09**· Signal word** Danger**· Hazard statements***H304 May be fatal if swallowed and enters airways.***· Precautionary statements***P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.**P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.**P302+P352 IF ON SKIN: Wash with plenty of soap and water.***· 2.3 Other hazards****· Results of PBT and vPvB assessment:****· PBT:** Concentration of substances classified as PBT: < 0,1%**· vPvB:** concentration of substances classified as vPvB: < 0,1%**· Determination of endocrine-disrupting properties***Contains no endocrine disruptor (EDC) in a concentration of  $\geq 0.1\%$ .***SECTION 3: Composition/information on ingredients****· 3.1 Substances****· CAS No. Description:***8008-20-6 Kerosine (petroleum)***· Identification number(s):****· EC number:** 232-366-4**· Index number:** 649-404-00-4**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:***Wash off immediately with soap and water and rinse thoroughly. In case of complaints, consult a doctor.***· After eye contact:***Rinse opened eye for several minutes with running water. Remove contact lenses, if possible, and continue rinsing. In case of complaints, consult an ophthalmologist.***· After swallowing:***Rinse out mouth. Call a doctor immediately.**Do not induce vomiting - may enter the respiratory tract (risk of possible aspiration)!***· 4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

\*

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

**Trade name: Kerosene, low odor**

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture:**  
Flammable substance, vapours are heavier than air and spread over the ground.  
Vapours may form flammable and explosive mixtures with air.  
Formation of hazardous vapours and gases possible during heating or in case of fire.  
In case of fire, the following can be formed, but not limited to:  
Carbon monoxide and carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.  
Keep away from ignition sources  
Avoid contact with eyes and skin.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up**  
Dispose contaminated material as waste according to section 13.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** Store containers tightly closed and dry.
- **7.3 Specific end use(s):** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.

(Contd. on page 4)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

**Trade name: Kerosene, low odor**

(Contd. of page 3)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls:** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Store protective clothing separately.
  - Immediately remove all soiled and contaminated clothing
  - Avoid contact with the eyes and skin.
  - Wash hands before breaks and at the end of work.
- **Breathing equipment:**
  - Short term filter device:
  - Filter A/P3
- **Hand protection:**
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Protective gloves.
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material:**
  - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
  - Fluorocarbon rubber (Viton)
  - Nitrile rubber, NBR
- **Eye/face protection:** Safety glasses
- **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information:**
- **Physical state:** Fluid
- **Colour:** Colourless
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** No information available
- **Boiling point or initial boiling point and boiling range:** 175-325 °C
- **Flammability:** Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226
- **Lower and upper explosion limit:**
- **Lower:** 0.7 Vol %
- **Upper:** 5 Vol %
- **Flash point:** >38 °C
- **Decomposition temperature:** No information available
- **pH:** No information available
- **Viscosity:**
- **Kinematic viscosity:** No information available
- **Dynamic viscosity:** No information available

(Contd. on page 5)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

**Trade name: Kerosene, low odor**

(Contd. of page 4)

- **Solubility:**
- **Water:** *Not miscible or difficult to mix*
- **Partition coefficient n-octanol/water (log value):** *No information available*
- **Vapour pressure at 20 °C:** *0.31 hPa*
- **Density and/or relative density:**
- **Density at 20 °C:** *0.8 g/cm<sup>3</sup>*
- **Relative density:** *No information available*
- **9.2 Other information**
- **Appearance:**
- **Form:** *Liquid*
- **Important information on protection of health and environment, and on safety:**
- **Explosive properties:** *Product is not explosive. However, formation of explosive air/vapour mixtures are possible.*

### SECTION 10: Stability and reactivity

- **10.1 Reactivity:** *No further relevant information available.*
- **10.2 Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **10.3 Possibility of hazardous reactions:** *Vapours may form flammable and explosive mixtures with air.*
- **10.4 Conditions to avoid:** *Avoid high temperatures, flames, sparks*
- **10.5 Incompatible materials:** *Avoid contact with oxidising agents.*
- **10.6 Hazardous decomposition products:** *In case of fire: see section 5*

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**
- **Acute toxicity:** *Based on available data, the classification criteria are not met.*
- **Skin corrosion/irritation:** *Causes skin irritation.*
- **Serious eye damage/irritation:** *Based on available data, the classification criteria are not met.*
- **Respiratory or skin sensitisation:** *Based on available data, the classification criteria are not met.*
- **Germ cell mutagenicity:** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity:** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity:** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure:** *May cause drowsiness or dizziness.*
- **STOT-repeated exposure:** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard:** *May be fatal if swallowed and enters airways.*
- **11.2 Information on other hazards:**
- **Endocrine disrupting properties:**  
*Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .*

### SECTION 12: Ecological information

- **12.1 Toxicity:**
- **Aquatic toxicity:** *NOEC (Daphnia magna, 21 d): 0.48 mg/l*
- **12.2 Persistence and degradability:** *No further relevant information available.*
- **12.3 Bioaccumulative potential:** *No further relevant information available.*
- **12.4 Mobility in soil:** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment:**
- **PBT:** *Concentration of substances classified as PBT:  $< 0,1\%$*
- **vPvB:** *Concentration of substances classified as vPvB:  $< 0,1\%$*
- **12.6 Endocrine disrupting properties:** *For information on endocrine disrupting properties see section 11.*

(Contd. on page 6)

GB

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

**Trade name: Kerosene, low odor**

(Contd. of page 5)

· **12.7 Other adverse effects:**

· **Additional ecological information:**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Dispose of in accordance with official regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:**

Uncleaned packaging must be disposed of in the same way as the product in accordance with official regulations.

### SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA**

UN1223

· **14.2 UN proper shipping name**

· **ADR**

1223 KEROSENE, ENVIRONMENTALLY HAZARDOUS

· **IMDG, IATA**

KEROSENE

· **14.3 Transport hazard class(es)**

· **ADR, IMDG**



· **Class:**

3 Flammable liquids.

· **Label:**

3

· **IATA**



· **Class**

3 Flammable liquids.

· **Label**

3

· **14.4 Packing group**

· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards**

Environmentally hazardous substance, liquid

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· **Hazard identification number (Kemler code):**

30

· **EMS Number:**

F-E,S-E

· **Stowage Category**

A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

(Contd. on page 7)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

**Trade name: Kerosene, low odor**

(Contd. of page 6)

**· Transport/Additional information:****· ADR****· Limited quantities (LQ)**

5L

**· Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**· Transport category**

3

**· Tunnel restriction code**

D/E

**· IMDG****· Limited quantities (LQ)**

5L

**· Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**· UN "Model Regulation":**UN 1223 KEROSENE, 3, III, ENVIRONMENTALLY  
HAZARDOUS**SECTION 15: Regulatory information****· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****· Poisons Act****· Regulated explosives precursors** Substance is not listed.**· Regulated poisons** Substance is not listed.**· Reportable explosives precursors** Substance is not listed.**· Reportable poisons** Substance is not listed.**· Directive 2012/18/EU****· Named dangerous substances - ANNEX I** Substance is not listed.**· Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

**· Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t**· Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**· REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40**· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

**· REGULATION (EU) 2019/1148****· Annex I - RESTRICTED EXPLOSIVES PRECURSORS** (Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

**· Annex II - REPORTABLE EXPLOSIVES PRECURSORS** Substance is not listed.**· Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.**· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

**· National regulations:****· Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.**· 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Department issuing SDS:** Product Safety Department

(Contd. on page 8)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 3

Revision: 27.09.2024

**Trade name: Kerosene, low odor**

(Contd. of page 7)

- **Contact:** +49 6221 13840-35
- **Date of previous version:** 17.08.2017
- **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*ICAO: International Civil Aviation Organisation*

*PBT: persistent, bioaccumulative, toxic substance (UK REACH)*

*vPvB: very persistent, very bioaccumulative substance (UK REACH)*

*UK REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals*

*GB CLP: Regulation on classification, labelling and packaging of substances and mixtures*

*bw: body weight*

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

*Asp. Tox. 1: Aspiration hazard – Category 1*

*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

GB