Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 8-Aug-2011                                                                 Version No.: 2

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

1.1 Product identifier

<table>
<thead>
<tr>
<th>Trade name/designation</th>
<th>Paraffin, liquid Ph.Eur.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No.</td>
<td>08577 (VWR International, Prolabo)</td>
</tr>
<tr>
<td>Substance name</td>
<td>Paraffin, liquid</td>
</tr>
<tr>
<td>CAS No.</td>
<td>8012-95-1</td>
</tr>
<tr>
<td>INDEX no.</td>
<td></td>
</tr>
<tr>
<td>REACH registration No.</td>
<td>Not yet communicated down the supply chain.</td>
</tr>
<tr>
<td>other means of identification</td>
<td>Vaseline oil Light liquid paraffin</td>
</tr>
</tbody>
</table>

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

Relevant identified uses for laboratory use and chemical production.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

VWR International Ltd.

<table>
<thead>
<tr>
<th>Street</th>
<th>Hunter Boulevard, Magna Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postal code/city</td>
<td>Lutterworth, LE17 4XN</td>
</tr>
<tr>
<td>country</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>Telephone</td>
<td>0800 22 33 44</td>
</tr>
<tr>
<td>Telefax</td>
<td>01455 55 85 86</td>
</tr>
<tr>
<td>E-mail (competent person)</td>
<td><a href="mailto:vwr.sds@eu.vwr.com">vwr.sds@eu.vwr.com</a></td>
</tr>
</tbody>
</table>

1.4 Emergency telephone

Telephone +44 (0) 1270 502894

2. Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC
This mixture is not classified as dangerous according to 1999/45/EC.

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictogram(s):

not applicable

Signal word

not applicable

Hazard Statements

not applicable

Precautionary statements

not applicable

2.2.2 Labelling (67/548/EEC or 1999/45/EC)

Hazard symbols:

not applicable

R-phrases

not applicable

S-phrases

not applicable

2.3 Other hazards

none

3. Composition/ Information on ingredients

Hazardous ingredients:
Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

Hazardous ingredients:
Classification according to 67/548/EEC

Formula:
Molar mass:
CAS No. 8012-95-1
4. First-aid measures

4.1 General information

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

4.2 After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

4.3 In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

4.4 After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

4.5 After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Give nothing to eat or drink. Do not induce vomiting.

4.6 Self-protection of the first aider

First aider: Pay attention to self-protection!

4.7 Information to physician:

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazards</td>
<td>No data available</td>
</tr>
<tr>
<td>Treatment</td>
<td>No data available</td>
</tr>
</tbody>
</table>

5. Firefighting measures

5.1 Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Extinguishing media which must not be used for safety reasons:
5.3 Special hazards arising from the substance or mixture

In case of fire may be liberated: Pyrolysis products, toxic

5.4 Advice for firefighters

DO NOT fight fire when fire reaches explosives. In case of fire: Wear self-contained breathing apparatus.

5.5 Additional information

Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Do not breathe gas/vapour/aerosol. Provide adequate ventilation.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Soak up inert absorbent and dispose as waste requiring special attention. Collect in closed and suitable containers for disposal.

6.4 Additional information

No data available

7. Handling and storage

7.1 Precautions for safe handling

All work processes must always be designed so that the following is as low as possible: Inhalation of vapours or spray/mists Inhalation of dust/particles Skin contact Eye contact. Wear personal protection equipment. (see chapter 8).

7.2 Conditions for safe storage, including any incompatibilities

storage temperature No data available

Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)
8. Exposure controls / Personal protection

8.1 Control parameters

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

8.3 Personal protective equipment

Wear suitable protective clothing.

8.3.1 Eye / face protection

Eye glasses with side protection DIN-/EN-Norms: DIN EN 166

8.3.2 Skin protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Recommended glove articles DIN-/EN-Norms: DIN EN 374 In the case of wanting to use the gloves again, clean them before taking off and air them well.

<table>
<thead>
<tr>
<th>By short-term hand contact</th>
<th>Suitable material:</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Thickness of the glove material</td>
<td>No data available</td>
</tr>
<tr>
<td></td>
<td>Breakthrough time (maximum wearing time)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>By long-term hand contact</th>
<th>Suitable material:</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Thickness of the glove material</td>
<td>No data available</td>
</tr>
<tr>
<td></td>
<td>Breakthrough time (maximum wearing time)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

8.3.3 Protective clothing

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

8.3.4 Respiratory protection

Respiratory protection necessary at: aerosol or mist formation.

| Suitable respiratory protection apparatus: | No data available |
| Suitable material: | No data available |
8.4 Additional information

Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. provide eye shower and label its location conspicuously.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance
   Physical state No data available
   Colour colourless

(b) Odour
(c) Odour threshold

Safety relevant basic data

(d) pH
(e) Melting point/freezing point
(f) Initial boiling point and boiling range 300 to 500 °C (1013 hPa)
(g) Flash point 215°C (closed cup)
(h) Evaporation rate
(i) Flammability (solid, gas)
(j) Upper/lower flammability or explosive limits
   Lower explosion limit (Vol-%)
   Upper explosion limit (Vol-%)
(k) Vapour pressure
(l) Vapour density
(m) Relative density 0.86 g/cm³ (20°C)
(n) Solubility(ies)
   Water solubility (g/l) insoluble
   at °C: 20
   Soluble (g/l) in
   No data available
(o) Partition coefficient: n-octanol/water Min. 6 (20 °C)
(p) Auto-ignition temperature Min. 250°C
(q) Decomposition temperature
(r) Viscosity
   Kinematic viscosity
   Dynamic viscosity 110 to 230 mPa*s (20°C)
(s) Explosive properties
(t) Oxidising properties

9.2 Other information

Bulk density
refraction index
dissociation constant
Surface tension
Henry constant

No data available

10. Stability and reactivity

10.1 Reactivity

No data available
10.2 Chemical stability
No data available

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
No data available

10.7 Additional information
No data available

11. Toxicological information

11.1 Information on toxicological effects

**Acute effects**

**Acute oral toxicity**
- Effective dose: LD50: Min. 5000 mg/kg
- species: rat
- Exposure time: 7 - 11
- remark
- source: Merck KGaA

**Acute dermal toxicity**
- Effective dose: LD50: Min. 3000 mg/kg
- species: rabbit
- Exposure time: 7 - 11
- remark
- source: Merck KGaA

**Acute inhalation toxicity**
- Effective dose: No data available
- species: No data available
- Exposure time: No data available
- remark
remark
source

Irritant and corrosive effects

Primary irritation to the skin
Exposure time
species:
Result

Irritation to eyes
Exposure time
species:
Result

Irritation to respiratory tract
Exposure time
species:
Result

Sensitisation
In case of skin contact not sensitising.
After inhalation not sensitising.

Specific target organ toxicity (single exposure)
not relevant

Specific target organ toxicity (repeated exposure)
not relevant

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity
No indication of human carcinogenicity.

Germ cell mutagenicity/Genotoxicity
No indications of human germ cell mutagenicity exist.

Reproductive toxicity
No indications of human reproductive toxicity exist.

Aspiration hazard
not relevant
11.2 Other adverse effects
No data available

11.3 Additional information
No data available

12. Ecological information

12.1 Ecotoxicity

**Acute (short-term) fish toxicity**
- LC50: No data available
- EC50
- species:
- Exposure time

**Chronic (long-term) fish toxicity**
- LC50: No data available
- EC50
- species:
- Exposure time

**Acute (short-term) daphnia toxicity**
- LC50: No data available
- EC50
- species:
- Exposure time

**Chronic (long-term) daphnia toxicity**
- LC50: No data available
- EC50
- species:
- Exposure time

**Acute (short-term) algae toxicity**
- LC50: No data available
- EC50
- species:
- Exposure time

**Chronic (long-term) algae toxicity**
- LC50: No data available
- EC50
- species:
- Exposure time

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
12.4 Mobility in soil
No data available

12.5 Results of PBT assessment
No data available

12.6 Other adverse effects
No data available

13. Disposal considerations

13.1 Waste treatment methods

**Appropriate disposal / Product**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Waste code product: No data available

**Appropriate disposal / Package**

Dispose according to legislation.

13.2 Additional information
No data available

14. Transport information

14.1 Land transport (ADR/RID)
No dangerous good in sense of these transport regulations.

14.2 Sea transport (IMDG)
No dangerous good in sense of these transport regulations.

14.3 Air transport (ICAO-TI / IATA-DGR)
No dangerous good in sense of these transport regulations.

14.4 Additional information
No data available
15. Regulatory information

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

Water hazard class (WGK) 1

15.2 Chemical Safety Assessment

No data available

16. Other information

16.1 Relevant R-, H- and EUH-phrases (Number and full text)

not applicable

16.2 Additional information

Indication of changes

general update

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.