



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006 (REACH) and Regulation
(EU) No.
2015/830

Paraffin waxes (petroleum), hydrotreated

1.1 Product identifier

Product name: Paraffin wax E59

CAS- 64742-51-4
Number: EC- 265-154-5
number:

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

General use: Chemical basic material.
For industrial purposes only.

1.3 Details of the supplier of the safety data sheet

Company name: RESIN PRO SRL
Street/POB-No.: Via XXV Aprile z.i. snc

Postal Code, city: 19121 Arcola - Liguria
Italy

WWW: www.resinpro.it
E-mail: info@resinpro.it
Telephone: +39 0187 955108

1.4 Emergency telephone number

Centro Antiveleni Napoli
Telephone: +39 081 54 53 333

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This substance is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

2.3 Other hazards

The melted product can cause severe burns.
Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment:

No data available

3.1 Substances

Chemical characterisation: Paraffin waxes (petroleum), hydrotreated
CAS-Number: 64742-51-4
EC-number: 265-154-5

4.1 Description of first aid measures

In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical aid in case of troubles.

Following skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Do not induce vomiting. In the event of discomfort seek medical treatment.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

After contact with skin:
Repeated exposure may cause skin dryness or cracking, due to defatting properties.
The melted product can cause severe burns.

After eye contact: Product can cause slight irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5.1 Extinguishing media

Suitable extinguishing media:
Foam, extinguishing powder, carbon dioxide, water spray jet.

Extinguishing media which must not be used for safety reasons:
Full water jet

5.2 Special hazards arising from the substance or mixture

Combustible.
May form dangerous gases and vapours in case of fire.
In case of fire may be liberated: Nitrogen oxides (NO_x), sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -
Do not allow fire water to penetrate into surface or ground water.

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with skin and eyes. Wear personal protection equipment.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

6.3 Methods and material for containment and cleaning up

Plug leak if safely possible.

Take up mechanically, placing in appropriate containers for disposal.

Use explosion-proof equipment and non-sparking tools/utensils.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Wear personal protection equipment.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

Use explosion-proof equipment and non-sparking tools/utensils.

Do not weld.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store container tightly closed in a dry area.

Store at room temperature.

Keep away from heat sources, sparks and open flames.

Do not drop, drag or bang the container.

Handle empty containers with care. Incineration may cause explosion.

Do not re-use the empty container.

Hints on joint storage: Do not store together with strong oxidizing agents.

Do not store together with food.

7.3 Specific end use(s)

No information available.

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed.

Personal protection equipment

Occupational exposure controls

Respiratory protection:	The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.
Hand protection:	Protective gloves according to EN 374. Glove material: Nitrile rubber - Layer thickness: 0,11 mm Breakthrough time: > 480 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Take off immediately all contaminated clothing. Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke.

9.1 Information on basic physical and chemical properties

Appearance:	Form: solid
Odour:	No data available
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	43-95°C
Initial boiling point and boiling range:	341 - 665 °C (EN ISO 15199)
Flash point/flash point range:	approx. 317 °C (1013 hPa)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	at 80 °C: 0 - 20 Pa
Vapour density:	No data available
Density:	at 100 °C: 0.79 - 0.94 g/cm ³
Solubility:	No data available
Partition coefficient: n-octanol/water:	>= 6 log P(o/w)
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	at 100 °C: 3 - 6 mm ² /s (ASTM D445)
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Refraction index:	at 100 °C: 1.149 - 1.448 (ASTM D1747)
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10.1 Reactivity Refer to 10.3

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In case of fire may be liberated: Nitrogen oxides (NO_x), sulphur oxides, carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

11.1 Information on toxicological effects

Acute toxicity: LD50 Rat, oral: > 3750 mg/kg
LD50 Rabbit, dermal: > 3600 mg/kg

Toxicological effects: Acute toxicity (oral): Based on available data, the classification criteria are not met.
Acute toxicity (dermal): Based on available data, the classification criteria are not met.
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Rabbit, skin: Not an irritant (OECD 404).
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Rabbit, eye: Not an irritant (OECD 405).
Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.
Skin sensitisation: Based on available data, the classification criteria are not met.
Guinea pig: not sensitising (OECD 406).
Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.
Chromosomal aberrations mammalian cells: negative (OECD 473).
Ames test: negative (OECD 471).
In micronucleus test (Mouse): negative (OECD 474).

Carcinogenicity: Based on available data, the classification criteria are not met.

NOEL Rat, oral: approx. 5700 mg/kg bw/d.

Reproductive toxicity: Based on available data, the classification criteria are not met.

NOAEL (P/F1) Rat, oral: \geq 1000 mg/kg bw/d (OECD 421, read across).

Effects on or via lactation: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

NOAEL Mouse, dermal: \geq 150 mg/kg bw/d (OECD 453, read across).

Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms

After contact with skin:

Repeated exposure may cause skin dryness or cracking, due to defatting properties.

The melted product can cause severe burns.

After eye contact: Product can cause slight irritation.

12.1 Toxicity

Aquatic toxicity:

Fish toxicity:

LL50 *Oncorhynchus mykiss*: $>$ 1000 mg/L/96h (QSAR).

NOEL *Oncorhynchus mykiss*: \geq 1000 mg/L/28d (QSAR).

Daphnia toxicity:

LL50 *Daphnia magna* (Big water flea): $>$ 1000 mg/L/48h (QSAR).

NOEL *Daphnia magna* (Big water flea): \geq 1000 mg/L/21d (QSAR).

Algae toxicity:

EL50 *Pseudokirchneriella subcapitata* (green algae): $>$ 1000 mg/L/72h (QSAR).

12.2 Persistence and degradability

Further details: Biodegradation: 12% / 28 d (OECD 301 B).
Product is partially biodegradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
 $\geq 6 \log P(o/w)$

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

13.1 Waste treatment methods

Product

Waste key number: 05 01 99 = Wastes from petroleum refining: Wastes not otherwise specified
Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

14.1 UN number

ADR/RID, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:
not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:
not applicable

14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

If transport temperature < 100 °C: Not a hazardous material!

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

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

Hazchem-Code:

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No data available

15.2 Chemical Safety Assessment

No data available

Further information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Date: 13.01.2023