

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## PEKASOL FG

Revision date: 25.03.2020

Product code: 11386-0033

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

#### 1.1. Product identifier

PEKASOL FG

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

##### Use of the substance/mixture

Various

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

Company name: pro Kühlsole GmbH  
Street: Am Langen Graben 37  
Place: D-52353 Düren  
Telephone: +49 2421 59196-0  
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de  
Telefax: +49 2421 59196-10

#### 1.4. Emergency telephone number:

Notrufnummer INTERNATIONAL: +49 (0) 6132 / 84463 (GBK GmbH, Ingelheim)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

##### Additional advice on labelling

Labeling not applicable.

#### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT substance.  
PED Category Group 2.  
High risk of slipping due to leakage/spillage of product.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

The product contains:

1,2-propanediol, CAS-No.: 57-55-6, REACH registration number: 01-2119456809-23, > 90%,  
Potassium phosphate (E 340), CAS-No. 7758-11-4, REACH registration number 01-2119493919-15, > 1%.

##### Further information

All ingredients are FDA listed.  
Hazardous components: not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

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### After inhalation

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

### After contact with skin

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical treatment by eye specialist.

### After ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Consult a physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Health injuries are not known or expected under normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.  
Cool containers at risk with water spray jet.

#### Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Fire may produce: carbon monoxide and carbon dioxide Under certain fire conditions traces of other toxic substances cannot be excluded.

### 5.3. Advice for firefighters

Use breathing apparatus with independent air supply.  
Wear full protective suit.

### Additional information

Collect contaminated fire-fighting water, avoid any release into the sewerage. Fire residues and contaminated firefighting 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

Ensure adequate ventilation.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.  
Suppress gases/vapours/mists with water spray jet.

### 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Shovel into suitable container for disposal.

### 6.4. Reference to other sections

Information for disposal see section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Do not inhale vapour/aerosol. Use only in thoroughly ventilated areas. Avoid contact with eyes, skin or mucous membrane. Ensure adequate ventilation, especially in confined areas.

##### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.  
Keep only in original container.

##### Hints on joint storage

Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL

##### Additional advice on limit values

Germany: The product contains no relevant quantities of materials with critical values that require monitoring at the workplace.

#### 8.2. Exposure controls



##### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

##### Protective and hygiene measures

Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Take off immediately all contaminated clothing.

##### Eye/face protection

Tightly fitting goggles (EN 166).  
Eye wash bottle with pure water (EN 15154).

##### Hand protection

Chemical-resistant gloves (EN 374)  
Suitable materials also for extended, direct contact (recommended: protection index 6, corresponding to a permeation rate > 480 minutes according to EN 374): Nitrile rubber, Butyl rubber.  
Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

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### Skin protection

Long sleeved clothing (DIN EN ISO 6530)

### Respiratory protection

No personal respiratory protective equipment normally required.  
Breathing apparatus in the event of aerosol or mist formation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Almost odourless
pH-Value (at 20 °C):	8,5 - 10

### Changes in the physical state

Melting point:	Not applicable
Initial boiling point and boiling range:	approx. 190 °C
Sublimation point:	No data available
Softening point:	No data available
Flash point:	101 °C
Sustaining combustion:	No data available

### Flammability

Solid:	No data available
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### Explosive properties

The product is not explosive.

Lower explosion limits:	2,6 vol. %
Upper explosion limits:	12,6 vol. %
Ignition temperature:	371 °C

### Auto-ignition temperature

Solid:	No data available
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Decomposition temperature:	No data available
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### Oxidizing properties

The product is not self-igniting

Vapour pressure: (at 20 °C)	0,1 hPa
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Density (at 20 °C):	1,060 g/cm <sup>3</sup>
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Water solubility: (at 20 °C)	Completely miscible
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### Solubility in other solvents

No data available

Partition coefficient:	No data available
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Viscosity / dynamic:	No data available
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Viscosity / kinematic:	No data available
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Flow time:	No data available
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Vapour density:	No data available
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### **9.2. Other information**

Refractive index: 1,431  
Freezing point: < -50°C

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No data available

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

### **10.4. Conditions to avoid**

No data available

### **10.5. Incompatible materials**

Strong oxidizing agents.

### **10.6. Hazardous decomposition products**

carbon monoxide and carbon dioxide

### **Further information**

No decomposition if stored and applied as directed.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

Based on available data, the classification criteria are not met.  
Health injuries are not known or expected under normal use.

#### **Irritation and corrosivity**

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

#### **Sensitising effects**

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

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

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

#### **STOT-single exposure**

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

#### **STOT-repeated exposure**

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

#### **Aspiration hazard**

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

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecological data are not available.

### **12.2. Persistence and degradability**

Readily biodegradable.

### **12.3. Bioaccumulative potential**

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Not determined.

### **12.4. Mobility in soil**

Not determined.

### **12.5. Results of PBT and vPvB assessment**

Not determined.

### **12.6. Other adverse effects**

Low hazard to waters.

### **Further information**

Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations**

Should not be disposed of with household waste. Do not flush into surface water or sanitary sewer system. Where possible recycling is preferred to disposal. The waste code number must be agreed with the disposer / manufacturer / competent authority.

#### **List of Wastes Code - residues/unused products**

160509 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

#### **List of Wastes Code - contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

#### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.  
Cleaning agent: Water

## **SECTION 14: Transport information**

### **Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

### **Inland waterways transport (ADN)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

### **Marine transport (IMDG)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.

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### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

### **Air transport (ICAO-TI/IATA-DGR)**

#### **14.1. UN number:**

No dangerous good in sense of this transport regulation.

#### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

#### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

#### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### **14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

## **SECTION 15: Regulatory information**

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

#### **EU regulatory information**

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)  
(SEVESO III):

#### **Additional information**

The product is labeled in accordance with Regulation (EC) no. 1272/2008 (GHS).

#### **National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

#### **Additional information**

All ingredients are FDA listed.

### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## **SECTION 16: Other information**

### **Changes**

Update 2020

### **Abbreviations and acronyms**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
(Agreement concerning the international carriage of Dangerous goods by Road)

IMDG-Code: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organisation (IATA: The International Air Transport Association)

GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

### **Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

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(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*