

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



**PEX 130**

Print date: 26.02.2014

Product code: 11386-0014

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

### 1.1. Product identifier

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### 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  
Telefax: +49 2421 59196-10  
Responsible for the safety data sheet: sds@gbk-ingelheim.de

### 1.4. Emergency telephone number: Emergency telephone :+49 (0) 6132 / 84463 (GBK GmbH, Ingelheim)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

This mixture is not classified as hazardous according to Directive 1999/45/EC.

#### GHS classification

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

### 2.2. Label elements

#### Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

High risk of slipping due to leakage/spillage of product.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Complex mixture based on: Fattyalcohol polyglykoetherphosphoric.

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
231-633-2	Phosphoric acid ... %; orthophosphoric acid	< 1 %
7664-38-2	C - Corrosive R34	
015-011-00-6	Skin Corr. 1B; H314	

Full text of R and H phrases: see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Take away from danger area and lay down affected person.  
Remove contaminated soaked clothing immediately.

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In the event of persistent symptoms receive medical treatment.

### 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.  
Remove contaminated soaked clothing immediately.  
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 mouth.  
Consult a physician.

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

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause eye/skin irritation.

### 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

Product itself does not burn.  
Use fire fighting measures that suit the environment and products stored

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

In case of fire formation of dangerous gases possible.

### 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

In case of vapour formation use respirator.  
Ensure adequate ventilation.  
Avoid contact with eyes, skin or mucous membrane.  
Use personal protective clothing.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

### 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.

## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Advice on safe handling

Do not inhale vapour/aerosol.. In case of insufficient ventilation, especially in confined areas.  
Use only in thoroughly ventilated areas.  
Avoid contact with eyes, skin or mucous membrane.  
In case of eye contact wear Safety goggles or face protection Protective goggles in the event of risk of splashes.

#### Advice on protection against fire and explosion

No special precautions required. The product is not combustible.

#### Further information on handling

Wash hands before breaks and at the end of workday.

### 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. Keep container tightly closed.

#### Advice on storage compatibility

Keep away from food, drink and animal feeding stuffs.

#### Further information on storage conditions

Protect from frost. Protect against direct sun radiation.

### 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
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

### 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). In case of eye contact wear Safety goggles or face protection  
Protective goggles in the event of risk of splashes.  
Eye wash bottle with pure water (EN 15154).

#### Hand protection

Chemical-resistant gloves (EN 374). Suitable materials also for extended, direct contact

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(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.

### Skin protection

Long sleeved clothing (EN 368).

### Respiratory protection

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:	Yellow
Odour:	characteristic
pH-Value (at 20 °C):	4,1 (2% Solution )

### Test method

### Changes in the physical state

Melting point:	n.a.
Sublimation point:	n.a.
Flash point:	> 220 °C
Density (at 20 °C):	1,02 - 1,08 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Soluble
Viscosity / dynamic: (at 25 °C)	150-1500 mPa·s

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Chemically stable.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Keep from freezing. Protect against direct sun radiation.

### 10.5. Incompatible materials

Strong bases. Reducing agents. Aluminium, Zinc, Tin, Copper and its alloys.

### 10.6. Hazardous decomposition products

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.

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### 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.

### STOT-single exposure

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

### Severe effects after repeated or prolonged exposure

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.

### Aspiration hazard

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

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
7664-38-2	Phosphoric acid ... %; orthophosphoric acid					
	Acute fish toxicity	LC50	138 mg/l	96 h	Gambusia affinis	

### 12.2. Persistence and degradability

Biodegradable (OECD): 45 % [ > 28 d, OECD 301 E ]

### 12.3. Bioaccumulative potential

Not determined.

### 12.4. Mobility in soil

Not determined.

### 12.5. Results of PBT and vPvB assessment

Not determined.

### 12.6. Other adverse effects

Not determined.

### Further information

Do not flush into surface water or sanitary sewer system.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

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.

#### Waste disposal number of waste from 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

#### Waste disposal number of 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

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## 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)

**14.1. UN number:** Not applicable

**14.2. UN proper shipping name:** Not applicable

**14.3. Transport hazard class(es):** Not applicable

**14.4. Packing group:** Not applicable

#### Other applicable information (land transport)

No hazardous material as defined by the transport regulations.

### Inland waterways transport (ADN)

#### Other applicable information (inland waterways transport)

No hazardous material as defined by the transport regulations.

### Marine transport (IMDG)

#### Other applicable information (marine transport)

No hazardous material as defined by the transport regulations.

### Air transport (ICAO)

#### Other applicable information (air transport)

No hazardous material as defined by the transport regulations.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

The transport takes place only in approved and appropriate packaging.

## SECTION 15: Regulatory information

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

#### National regulatory information

#### Additional information

Do not discharge product unmonitored into the environment.

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Changes

Changes in chapter: 4, 8, 14, 15

### Abbreviations and acronyms

EC Directives: acts of the European Union, part of the secondary Union law

CAS-Nr.: Chemical Abstracts Service

TRGS 510: Technical Rules for Hazardous Substances "storage of hazardous materials in portable tanks"

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TRGS 900: Technical Rules for Hazardous Substances "workplace exposure limits"  
EN 374: Standard for protective gloves (gloves for protection against chemicals and micro-organisms)  
EN 166: European safety standards for eye and face protection (requirements)  
STOT: Specific target organ toxicity  
AVV: European Waste Catalogue  
VOC: Volatile organic compound  
GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals  
ADR: Agreement concerning the international carriage of Dangerous goods by Road  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail  
IMDG-Code: International Maritime Code for Dangerous Goods  
ADN: sea and inland waterway transport  
ICAO: International Civil Aviation Organization  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships  
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
n.a. - not applicable

### Full text of R phrases referred to under Sections 2 and 3

34 Causes burns.

### Full text of H statements referred to under Sections 2 and 3

H314 Causes severe skin burns and eye damage.

### 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.

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

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