

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Klar-Pilot-Fluid Super

Print date: 15.05.2015

Product code: Pilot002

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

1.1. Product identifier

Klar-Pilot-Fluid Super

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

1.3. Details of the supplier of the safety data sheet

Company name:	Pilot GmbH Chemie Technik	
Street:	Steinhof 37	
Place:	D-40699 Erkrath	
Telephone:	+49 -211 / 924020	Telefax: +49 -211 / 242194
Contact person:	Ursula Leuthold	
Responsible Department:	IFZ Ingenieurbüro und Consulting GmbH	
	Telephone: +49 - 30 / 2904897-10	
	Telefax: +49 - 30 / 2904897-20	

1.4. Emergency telephone number:

+49 -211 / 924020 (09.00 - 16.00 MEZ)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xi - Irritant
 R phrases:
 Irritating to skin.
 Risk of serious damage to eyes.

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

Hazard categories:
 Skin corrosion/irritation: Skin Irrit. 2
 Serious eye damage/eye irritation: Eye Dam. 1
 Hazard Statements:
 Causes skin irritation.
 Causes serious eye damage.

2.2. Label elements

Hazardous components which must be listed on the label

Natriumdiisooctylsulfosuccinat

Signal word: Danger
 Pictograms: GHS05



Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Immediately call a POISON CENTER/doctor.

2.3. Other hazards

Should not be released into the environment.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Cleaning product, contains water, surfactants and colourings

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
209-406-4	Sodium diisooctyl sulphosuccinate	3 - 10 %
577-11-7	Xi - Irritant R38-41	
	Skin Irrit. 2, Eye Dam. 1; H315 H318	
500-027-2	Fat alcohol polyglycoether	1 - 5 %
9043-30-5	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R22-41-51-53	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down. Never give anything by mouth to an unconscious person. Lay the affected person down and keep him still; If unconscious, place the person in the recovery position.

After inhalation

Move to fresh air. Lay the affected person down, and keep her or him warm and calm. If symptoms persist, call a physician.

After contact with skin

Wash contaminated skin areas thoroughly with soap and water. Remove soiled clothing. If symptoms persist, call a physician.

After contact with eyes

Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable. Consult an ophthalmologist immediately.

After ingestion

Clean mouth with water and drink plenty of water afterwards. Do not induce vomiting. Lay the affected person down, and keep her or him warm and calm. Consult a physician.

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

Severe eye irritation

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

Symptomatic treatment (decontamination and vital functions).

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media

Foam, carbon dioxide (CO₂), chemical fire extinguisher, water spray mist

5.2. Special hazards arising from the substance or mixture

Do not breathe in the vapours and combustion gases.

5.3. Advice for firefighters

Wear self-contained breathing apparatus for fire fighting, if necessary.

Additional information

Water mist may be used to cool closed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes.

Slipping hazard due to leakage.

Use respiratory equipment when gases, vapours/aerosols form. Avoid contact with skin and eyes.

Wear personal protective equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

6.3. Methods and material for containment and cleaning up

Large quantities: Soak up with inert absorbent material. Dispose of the material collected according to regulations.

6.4. Reference to other sections

Refer to safety instructions (see sections 7 and 8).

Suitable protective equipment: See section 8.

Dispose of as described in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special action required if used correctly. Do not empty container with pressure, it is not a pressurised container.

Further information on handling

See information supplied by the manufacturer. Take notice of the directions of use on the label. Handle, store and transport in compliance with local regulations and in labelled containers that are suitable for this product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in compliance with the local regulations. Store sealed in the original container.

Keep in a dry, cool place. Protect from freezing.

Further information on storage conditions

Protect from heat and direct sunlight.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

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Appropriate engineering controls

Provide adequate ventilation and/or exhaust ventilation.

Protective and hygiene measures

A high standard of personal hygiene is required. Keep away from food, drink and animal food stuffs.

When using, do not eat, drink, or smoke. Avoid contact with skin and eyes. Avoid contact with clothing.

Take off all contaminated clothing immediately.

Remove and wash contaminated clothing before re-use. Do not eat, drink, smoke or take snuff at work.

Wash hands before breaks and at the end of the workday.

Eye/face protection

Safety glasses with side-shields

Hand protection

Protective gloves

In the case of lengthy skin contact. Protective gloves made out of: PVC

Safety gloves should be selected for the actual conditions of use and in accordance with the

instructions for use provided by the manufacturer.

Skin protection

Take off all contaminated clothing immediately. Wash contaminated skin areas thoroughly with soap and water.

Respiratory protection

Not required when area is well ventilated.

Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: yellowish-orange

Test method

pH-Value: approx. 7.5

Changes in the physical state

Flash point: > 90 °C

Vapour pressure: <0.02 hPa
(at 20 °C)

Density: 1.01 g/cm³

Water solubility: completely miscible

Viscosity / kinematic: 4.1 mm²/s

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under proper storage and handling.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No decomposition if used as directed.

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10.5. Incompatible materials

No dangerous reactions are known.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data is available on the product itself.

Irritation and corrosivity

Risk of serious damage to eyes. Prolonged skin contact may cause skin irritation.

SECTION 12: Ecological information

12.1. Toxicity

No data is available on the product itself.

12.2. Persistence and degradability

No data is available on the product itself.

12.3. Bioaccumulative potential

No data is available on the product itself.

12.4. Mobility in soil

No data is available on the product itself.

12.5. Results of PBT and vPvB assessment

No data is available on the product itself.

12.6. Other adverse effects

No data is available on the product itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Disposal in accordance with the official regulations. Product can be supplied in accordance with local authority requirements a biological treatment plant.

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: not regulated

14.2. UN proper shipping name: not regulated

14.3. Transport hazard class(es): not regulated

14.4. Packing group: not regulated

Other applicable information (land transport)

Not classified as dangerous regarding transport regulations.

Inland waterways transport (ADN)

14.1. UN number: not regulated

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14.2. UN proper shipping name: not regulated

14.3. Transport hazard class(es): not regulated

14.4. Packing group: not regulated

Marine transport (IMDG)

14.1. UN number: not regulated

14.2. UN proper shipping name: not regulated

14.3. Transport hazard class(es): not regulated

Other applicable information (marine transport)

Not classified as dangerous regarding transport regulations.

Air transport (ICAO)

14.1. UN number: not restricted

14.2. UN proper shipping name: not restricted

14.3. Transport hazard class(es): not restricted

Other applicable information (air transport)

Not classified as dangerous regarding transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Not applicable.

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

Not applicable.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

No Substances of Very High Concern (SVHC) according REACH Article 57.

National regulatory information

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Relevant R-phrases (Number and full text)

- | | |
|----|---|
| 22 | Harmful if swallowed. |
| 38 | Irritating to skin. |
| 41 | Risk of serious damage to eyes. |
| 51 | Toxic to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |

Relevant H- and EUH-phrases (Number and full text)

- | | |
|------|----------------------------|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |