

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****DRAKOFLUID SF 10**

CAS No.: -
EC No.: -
INDEX No.: -
REACH No.: -

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

Relevant identified uses: Lubricant, lubricants and release products

Uses advised against: Other

1.3. Details of the supplier of the safety data sheet**Manufacturer**

PFEIFER DRAKO
Drahtseilwerk GmbH & Co. KG
Rheinstrasse 19-23
D 45478 Mühlheim an der Ruhr

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

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Dept. responsible for information:

PFEIFER DRAKO Drahtseilwerk GmbH & Co. KG

1.4. Emergency telephone number

Informationszentrale gegen Vergiftungen Bonn

Telephone: +49 (0) 228 19 240 / +49 (0) 228 287
332 11

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

2.2. Label elements

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

Hazard pictograms:

Signal word:

Hazard statements:

-

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EUH208

EUH210

Contains long chain calcium alkaryl sulfonate. May produce an allergic reaction.

Safety data sheet available on request.

Precautionary statements: -

2.3. Other hazards

See attached safety data sheets and/or usage instructions.

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Mixture of short-chain hydrocarbons.

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
Distillates (petroleum), solvent-dewaxed light paraffinic	265-159-2	64742-56-9	649-469-00-9	01-2119480132-48	55 - 60%	Asp. Tox. 1, H304

Substance with a common (EC) occupational exposure limit value

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
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(Full text of H- and EUH-phrases: see section 16.)

Additional information

none

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Take off immediately all contaminated clothing.

Following inhalation:

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

Following skin contact:

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After eye contact:

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. No administration in cases of unconsciousness or cramps. Immediately get medical attention.

Self-protection of the first aider: First aid assistant: Pay attention to self-protection!

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

Symptoms: No symptoms known up to now.

Nature of Hazard: No risks worthy of mention.

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

Notes for the doctor: First Aid, decontamination, treatment of symptoms.

Special treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water fog. alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

General information

Use water spray/stream to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Remove all sources of ignition. Guide people to safety. Wear personal protection equipment. High slip hazard because of leaking or spilled product. See protective measures under point 7 and 8.

6.2. Environmental precautions

Prevent spreading over great surfaces (e.g. by damming or installing oil booms). Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Avoid generation of dust. Clear contaminated area thoroughly. Wash with generous amount of water.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Use only in well-ventilated areas. In case of open handling equipment with built-in suction must be used.
Avoid oil mist Avoid contact with skin and eyes.

Technical measures

Provide for sufficient ventilation and punctiform suction at critical points.

Precautions against fire and explosion

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Additional information

none

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Ensure adequate ventilation of the storage area.

Packaging materials

Keep/Store only in original container.

Requirements for storage rooms and vessels

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

Hints on joint storage

Do not store together with: Oxidizing. Spontaneously combustible. substances Keep away from food, drink and animal feedingstuffs.

Storage class: 10 Combustible liquids unless LGK 3A or 3B.

Further information on storage conditions

Maximum storage temperature: 50 °C

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
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Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
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DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer
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PNEC Value

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
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Risk management measures according to used control banding approach

none

Additional information

none

8.2. Exposure controls

Occupational exposure controls

none

General protection and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection required in case of: insufficient ventilation. Suitable respiratory protective equipment: filter respirator (full mask or mouth-piece) with filter: Combination filter device (DIN EN 141)..

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374 Suitable material: NBR (Nitrile rubber). FKM (fluoro rubber). PVA (Polyvinyl alcohol).

Eye/face protection

Tightly sealed safety glasses.

Body protection

Suitable protection of the body: Overall. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:

liquid

Colour:

brown

Odour:

characteristic like: hydrocarbons.

Odour threshold:

No data available

Safety relevant basis data

	parameter	unit	remark
Density:	at 15 °C:	0,88 g/cm ³	DIN 51757
Bulk density:			not applicable
pH:			not applicable

Melting point/freezing point:		No data available
Initial boiling point and boiling range:		No data available
Flash point:	215 °C	DIN 51376 (09/1981: replaced by DIN ISO 2592)
Flammability (solid, gas):		none
Explosivity:		Vapours can form explosive mixtures with air.
Lower explosion limit:	0,45 Vol-%	
Upper explosion limit:	4,5 Vol-%	
Ignition temperature:		No data available
Decomposition temperature:		No data available
Oxidizing potential:		Not oxidizing.
Vapour pressure:		No data available
Vapour density:		No data available
Evaporation rate:		No data available
Water solubility:		practically insoluble
Fat solubility:		No data available
Soluble in:	:	not applicable
Partition coefficient: n-octanol/water:		No data available
Viscosity:	40 °C: ~37 mm ² /s	
Solvent separation test:		No data available
Solvent content:		No data available

9.2. Other information

Method IP 346: dimethyl sulfoxide concentration <3%

SECTION 10: Stability and reactivity

10.1. Reactivity

none

10.2. Chemical stability

When correctly stored and handled the product is stable.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

heat.

10.5. Incompatible materials

Oxidizing agents. Reducing agents.

10.6. Hazardous decomposition products

Can be released in case of fire: Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

Additional information

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No information available.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
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Specific symptoms in laboratory animals

No information available.

Irritation and etching

Irritant effect on the skin
irritant.

Irritant effect on the eye
Not an irritant.

Irritant effect on the respiratory tract
Not an irritant.

Additional information
not corrosive

Sensitization

no danger of sensitization.

Repeated dose toxicity (subacute, subchronic, chronic)

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity
No indications of human carcinogenicity exist.
Germ cell mutagenicity
No indications of human germ cell mutagenicity exist.
Reproductive toxicity
No indications of human reproductive toxicity exist.

General remarks

Caution if victim vomits: Risk of aspiration!

Practical experience/human evidence

none

Other observations

none

Other information

none

SECTION 12: Ecological information

12.1. Toxicity

No information available.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
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12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Product can compose a film on the water surface, which can prevent oxygen exchange.

Further ecological information

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil. Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

Further details

none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Appropriate disposal / Package

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with EWC

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste code product: 13 02 05 - mineral-based non-chlorinated engine, gear and lubricating oils

Waste code packaging: 15 01 10 - packaging containing residues of or contaminated by dangerous substances

remark

Waste disposal according to official state regulations.

SECTION 14: Transport information

14.1. UN number

UN No.: none

14.2. UN proper shipping name

Official directive for the transport

-
-

Proper Shipping name

-
-

14.3. Transport hazard class(es)

Hazard label(s): none

Classification code: none

14.4. Packing group

Packing group: none

14.5. Environmental hazards

Environmental hazards: none

14.6. Special precautions for user

Land transport (ADR/RID)

Remark: Not a hazardous material with respect to these transportation regulations.

Transport category: none

Tunnel restriction code: none

Special provisions: none

Limited quantity (LQ): none

Sea transport (IMDG)

Special Provisions: Keep away from food, drink and animal feedingstuffs.

Remark: Not a hazardous material with respect to these transportation regulations.

EmS-No: none

MFAG: none

Marine pollutant: none

Special provisions: none

Limited quantity (LQ): none

Air transport (ICAO-TI / IATA-DGR)

Remark: Not a hazardous material with respect to these transportation regulations.

Limited quantity (LQ): none

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark: none

SECTION 15: Regulatory information

Labeling

Hazardous component(s) for labelling

-

Special labelling of particular preparations

Safety data sheet available for professional user on request.

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

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

Volatile organic compounds (VOC) in percentage by weight: 37,0

Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.
none

Regulation (EC) No. 648/2004 (Detergents regulation)
none

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Storage class

10 Combustible liquids unless LGK 3A or 3B.

Water hazard class (WGK)

1 weak water pollutant (WGK 1)

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out: -

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

SECTION 16: Other information

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

Hazard statements

H304 May be fatal if swallowed and enters airways.

Training advice

none

Recommended restrictions of use

refer to chapter 1.

Further remarks

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.

Documentation of changes

Change to version 3:

Updated ingredients

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

none