

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 12.07.2021 (GB) Version 1.1

FUNKENEROSIONSÖL MP2

686xxx



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

1.1. Product identifier

Name of product FUNKENEROSIONSÖL MP2
Art-Nr 686xxx
UFI: 6WV1-D08D-4000-M2VN

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

Identified uses

Product categories [PC]

PC17 - Hydraulic fluids

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

EUROLUB GmbH
Freisingerstraße 25-27, D-85386 Eching b. München
Phone +49 8165 9591-0, Fax +49 8165 9591-210
E-Mail info@eurolub.com
Internet www.eurolub.com

1.4. Emergency telephone number

Emergency advice

Phone +49 8165 9591-0
This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Asp. Tox. 1	H304	
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Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS08

Signal word

Danger

Hazard statements for health hazards

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Precautionary Statements

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.

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Storage

P405 Store locked up.

Disposal

P501 Dispose of contents / container in accordance with local regulations.

Supplemental Hazard information (EU)

Health properties

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
8042-47-5		mineral oil	85 - 95	Asp. Tox. 1, H304

Additional advice

The highly refined mineral oil contains a dimethyl sulfoxide (DMSO) according to IP 346 extractable content of less than 3 % (w/w).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the event of persistent symptoms receive medical treatment.

Take affected person into fresh air.

Do not leave casualty unattended.

Take away from danger area and lay down affected person.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In case of inhalation remove the casualty into fresh air and seek medical advice.

In case of skin contact

In case of contact with skin wash off with soap and water.

Remove contaminated clothing immediately, even underwear and shoes.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

Rinse out mouth thoroughly with water.

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

Physician's information / possible symptoms

Eye defects
vomiting
Headache
Nausea
Dizziness

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

Treatment (Advice to doctor)

no

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)
Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

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

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.
Remove persons to safety.

6.2. Environmental precautions

Collect contaminated water / firefighting water separately.
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
After taking up the material dispose according to regulation.

Additional Information

Informations for personal protective equipment see chapter 8.

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6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

In case of free handling thoroughly sucking off vapours is necessary.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Use explosion-protected equipment / fittings.

General protective measures

Do not inhale vapours.

Do not inhale gases/vapours/aerosols.

Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink and smoke.

Work in rooms with good ventilation.

Keep away from food and drink.

Advice on protection against fire and explosion

The product is combustible.

Vapours can form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in heated containers.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Protect from heat and direct solar radiation.

Protect from heat/overheating.

Storage group 10

Fire class B

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
110-54-3	Hexan (n-Hexan)	2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon (nach Hydrolyse)	5 mg/l	U	b

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

Hand protection

Gloves (solvent-resistant)

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Eye protection

safety goggles with side protection

Other protection measures

Solvent-resistant protective clothing

Appropriate engineering controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

brown

Odour

like paraffine

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point	> 100 °C			DIN 51755	
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	> 200 °C				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	0,82 g/cm ³				
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				

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	Value	Temperature	at	Method	Remark
Decomposition temperature	not determined				
Viscosity kinematic	2,4	40 °C			
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	flammable liqjud				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Formation of explosive gas/air mixtures.

10.4. Conditions to avoid

Thermal decomposition can lead to the escape of irritating gases and vapours.

10.5. Incompatible materials

Substances to avoid

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 5000 mg/kg	rat		
LD50 acute dermal	> 2000 mg/kg	rat		
Skin irritation		No information available.		
Eye irritation		No information available.		
Skin sensitization		No information available.		

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Value/Validation	Species	Method	Remark
Sensitization respiratory system	No information available.		
Subacute Toxicity - Carcinogenicity			
Value	Species	Method	Validation
Mutagenicity	No data available		
Reproduction-Toxicity			Indications of toxic effects are available from reproduction studies in animals.
Carcinogenicity			No indications of carcinogenic effects are available from long-term trials.
Specific target organ toxicity (single exposure) No information available.			
Specific target organ toxicity (repeated exposure) No information available.			
Aspiration hazard May be fatal if swallowed and enters airways.			

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

Value	Species	Method	Validation
Fish	NOEC 1 - 10 mg/l		
Daphnia	NOEC 1 - 10 mg/l		
Algae	NOEC 10 - 100 mg/l		

12.2. Persistence and degradability

Elimination rate	Method of analysis	Method	Validation
Biological degradability			readily degradable

12.3. Bioaccumulative potential

Because of the n-octanol/water distribution coefficient (log K_{ow}) accumulation in organisms is possible.

12.4. Mobility in soil

not determined

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

13 02 05*

Name of waste

mineral-based non-chlorinated engine, gear and lubricating oils

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

General information

no

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

no

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

No information available.

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

SECTION 15: Regulatory information

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

Other regulations (EU)

Regulation (EC) No 648/2004 (Detergents regulation).

VOC standard

VOC content

0 %

VOC value

0 g/L

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National regulations

Restriction of occupation

No information available.

Water hazard class 1 self-classification

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.0

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