

# Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Trade name: Funkenerosionsöl MP2

Version number: 4.0  
Replaces version of: 19.03.2018 (3)

revision: 05.12.2018

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

### 1.1 Product identifier

Trade name **Funkenerosionsöl MP2**  
Registration number (REACH) not relevant (mixture)

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

Relevant identified uses Machine oil  
Uses advised against For professional users only.  
Do not use for private purposes (household).

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

Eurolub Gmb  
Freisinger Str. 25 - 27  
85386 Eching  
Germany  
Telefon: +49 8165 / 9591-0  
Telefax: +49 8165 / 9591-20  
Mail: info@eurolub.com  
Webseite: www.eurolub.com

### 1.4 Emergency telephone number

Emergency information service **+49 8165 / 9591-0**  
This number is only available during the following of-  
fice hours: Mo-Th. 07:30 bis 16:00; Fr. 07.30 bis 14:00

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 (CLP)

hazard class and category hazard statements  
3.10/1: Asp. Tox. 1 H304

#### Supplemental hazard information

Code. Supplemental hazard information.  
EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word **Danger**

#### Pictograms

GHS08



#### Hazard statements

H304 May be fatal if swallowed and enters airways.

#### Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.  
P405 Store locked up.  
P501 Dispose of contents/container to proper recycling.

#### Precautionary statements - disposal

P501 Dispose of contents/container to proper recycling.

#### Additional labelling requirements

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Hazardous ingredients for labelling:

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyc-  
lics, < 0.03% aromatics, Hydrocarbons, C13-C18, n-  
alkanes, isoalkanes, cyclics, <2% aromatics, Hydro-  
carbons, C12-C15, n-alkanes, isoalkanes < 2% aro-  
matics

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## 2.3 Other hazards

The product is a water-polluting liquid. When properly used, no hazards are expected.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

Mixture of the substances listed below with harmless additions.

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	REACH Reg. No 01-2119826592-36-xxxx	25 - < 50	Asp. Tox. 1 / H304
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC No 921-050-8  REACH Reg. No 01-2119485032-45-xxxx	25 - < 50	Asp. Tox. 1 / H304
Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics	EC No 920-107-4  REACH Reg. No 01-2119453414-43-xxxx	25 - < 50	Asp. Tox. 1 / H304

For full text of abbreviations: see SECTION 16  
Free from organically bound chlorine.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

None

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, Alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Co-ordinate firefighting measures to the fire surroundings

#### Unsuitable extinguishing media

Water jet

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

#### Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Remove persons to safety. Special danger of slipping by leaking/spilling product.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

#### Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Sweeping compounds (oil absorbing).

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

##### • Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feed-stuffs.

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

#### Managing of associated risks

#### Incompatible substances or mixtures

Observe hints for combined storage. Keep only in original container. Keep container tightly closed. Do not store together with oxidizing and acidic materials.

### 7.3 Specific end use(s)

See section 16 for a general overview.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

#### Occupational exposure limit values (Workplace Exposure Limits)

No information available.

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Skin protection

##### • hand protection

Preventive skin protection (barrier creams/ointments) is recommended. Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. Replace when worn.

##### • breakthrough times of the glove material

>240 minutes (permeation: level 5)

##### • recommended protective gloves (trademark/manufacturer)

Camatril Velours 730, KCL

##### Respiratory protection

Local and general ventilation. In case of insufficient ventilation, wear suitable respiratory equipment: Type: A (against organic gases and vapours with a boiling point of > 65 °C, colour code: Brown).

##### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	liquid
Colour	colourless
Odour	characteristic

#### Other physical and chemical parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	230 – 255 °C
Flash point	>100 °C (ISO 2592)
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	
• lower explosion limit (LEL)	0,5 vol%
• upper explosion limit (UEL)	6,5 vol%
Vapour pressure	<0,01 hPa at 20 °C
Density	0,82 g/cm <sup>3</sup> at 20 °C (DIN 51757)
Solubility(ies)	not determined
Water solubility	insoluble
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.

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Auto-ignition temperature	not determined
Viscosity	
• kinematic viscosity	2,4 mm <sup>2</sup> /s at 40 °C (DIN EN 16896)
Explosive properties	none
Oxidising properties	none
<b>9.2 Other information</b>	There is no additional information.
These information are not available.	

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5 Incompatible materials

Strong oxidiser

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Shall not be classified as acutely toxic.

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

##### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

##### Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

##### Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

##### Aspiration hazard

May be fatal if swallowed and enters airways.

##### Information on toxicological effects

When used and handled according to specifications, the product does to our experience and the information provided to us, no adverse health effects.

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## Other information

Repeated exposure may cause skin dryness or cracking.

## SECTION 12: Ecological information

### 12.1 Toxicity

acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

#### Aquatic toxicity (chronic)

#### Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics		EC50	>100 mg/l	microorganisms	3 h
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics		EC50	>100 mg/l	microorganisms	3 h

### 12.2 Persistence and degradability

#### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics		oxygen depletion	74 %	28 d
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics		oxygen depletion	82 %	24 d

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Other adverse effects

Data are not available.

#### Endocrine disrupting potential

None of the ingredients are listed.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

##### List of wastes

13 02 05x

Dispose of contents/container in accordance with local/regional/national/international regulations

##### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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## SECTION 14: Transport information

- |      |  |  |
|------|--|--|
| 14.1 | UN number  | (not subject to transport regulations)                                       |
| 14.2 | UN proper shipping name  | not relevant   |
| 14.3 | Transport hazard class(es)<br>Class                                | -  |
| 14.4 | Packing group  | not relevant   |
| 14.5 | Environmental hazards  | none (non-environmentally hazardous acc. to the dangerous goods regulations) |
| 14.6 | Special precautions for user                                       | There is no additional information.  |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | The cargo is not intended to be carried in bulk.                             |

### Information for each of the UN Model Regulations

- **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**

Not subject to ADR, RID and ADN.

- **International Maritime Dangerous Goods Code (IMDG)**

Not subject to IMDG.

- **International Civil Aviation Organization (ICAO-IATA/DGR)**

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

- **List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**

None of the ingredients are listed.

VOC content 0 %

- **Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

None of the ingredients are listed.

### National regulations (Germany)

- **Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)**

Wassergefährdungsklasse (WGK): 1 (slightly hazardous to water)

- **Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)**

Storage class (LGK): 10 (combustible liquids)

### 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information

### 16.1 Indication of changes (revised safety data sheet)

14.7.  
14.7.  
14.7.  
14.7.  
15.1.  
16.

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## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Asp. Tox.	Aspiration hazard
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LGK	Lagerklasse (storage class according to TRGS 510, Germany)
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
SVHC	Substance of Very High Concern
TRGS	Technische Regeln für GefahrStoffe (technical rules for hazardous substances, Germany)
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

## Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

## Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H304	May be fatal if swallowed and enters airways.



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## **Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.