

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 17.11.2020 (GB) Version 1.3

Bremsflüssigkeit DOT4

542xxx



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

1.1. Product identifier

Name of product Bremsflüssigkeit DOT4
Art-Nr 542xxx

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

Identified uses

Product categories [PC]
PCO - Other

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]

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

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

Special rules for supplemental label elements for certain mixtures

Enthält Dihydro-3-(tetrapropenyl)furan-2,5-dion, 2,2'-[[[(5-methyl-1Hbenzotriazol-1-yl)methyl]imino]bisethanol, 2,2'-[[[(4-Methyl-1H-benzotriazol-1-yl)methyl]imino]bisethanol. Kann allergische Reaktionen hervorrufen.
Safety data sheet available on request.

2.3. Other hazards

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

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Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
111-46-6	203-872-2	2,2' -oxybisethanol	1 - 20	Acute Tox. 4, H302
111-77-3	203-906-6	2-(2-methoxyethoxy)ethanol	< 3	Repr. 2, H361d
161907-77-3	310-287-7	Butylpolyglycoether	10 - 20	Eye Dam. 1, H318
26544-38-7	247-781-6	Dihydro-3-(tetrapropenyl)furan-2,5-dion	< 0,1	Eye Irrit. 2, H319 / Skin Sens. 1A, H317 / Aquatic Chronic 4, H413

REACH

CAS No	Name	REACH registration number
161907-77-3	Butylpolyglycoether	01-2119475115-41
26544-38-7	Dihydro-3-(tetrapropenyl)furan-2,5-dion	01-2119979080-37

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately and dispose it safely.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

If intensive inhalation of fumes seek medical treatment immediately.

In case of skin contact

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

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.

Rinse out mouth thoroughly with water.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Dry fire-extinguishing substance

Carbon dioxide

water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Under certain fire conditions traces of other toxic substances cannot be excluded.

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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.

Use personal protective clothing.

For emergency responders

Remove persons to safety.

Use personal protective clothing.

6.2. Environmental precautions

Do not seep away runed out product into ground or body of water.

Collect contaminated water / firefighting water separately.

Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. kieselguhr).

Additional Information

Informations for personal protective equipment see chapter 8.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Allow for sucking off.

General protective measures

Avoid contact with eyes and skin

Avoid explosion - before application obtain special instructions.

Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

After work wash thoroughly.

Advice on protection against fire and explosion

The product is combustible.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

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

Storage group 10

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7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
111-77-3	2-(2-methoxyethoxy)ethanol	8 hours	50,1	10	skin

8.2. Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection.

Hand protection

Gloves (oil-resistant)

Eye protection

safety goggles with side protection

Other protection measures

Solvent-resistant protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

colourless

Odour

mild aromatic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	7 - 11,5				
starts to boil	> 230 °C				
stock point	-50 °C				
Flash point	> 100 °C				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	> 300 °C				
Lower explosion limit	not determined				
Upper explosion limit	not determined				

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	Value	Temperature	at	Method	Remark
Vapour pressure	not determined				
Relative density	1,07 g/cm ³	20 °C			
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	> 300 °C				
Viscosity kinematic	5 - 10 cSt	20 °C			
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Substances to avoid

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

10.6. Hazardous decomposition products

No information available.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	2630 mg/kg	rat		
LD50 acute dermal	3540 mg/kg	rat		
LC50 acute inhalation	> 4600 mg/l (4 h)	rat		
Skin irritation	No information available.			
Eye irritation	No information available.			
Skin sensitization	No information available.			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity				No information available.
Mutagenicity				No experimental information on genotoxicity in vitro available.
Reproduction-Toxicity				No indications of toxic effects were observed in reproduction studies in animals.
Carcinogenicity	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	LC50 > 1800 mg/l		OECD 203	
Daphnia	EC50 3200 mg/l			
Algae	EC50 2700 mg/l			

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				readily degradable

12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

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12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

15 01 10*

Name of waste

packaging containing residues of or contaminated by hazardous substances

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.

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 information available.

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

No information available.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

VOC standard

VOC content 0 %
VOC value 0 g/L

National regulations

Water hazard class 1 self-classification

Decree for case of interference/
remarks Accident decree, addendum II: not named.

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15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not 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: 1.2

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361d	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H413	May cause long lasting harmful effects to aquatic life.