

## SAFETY DATA SHEET

**BRAKE FLUID DOT4 LS6****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier***Trade name:* BRAKE FLUID DOT4 LS6*Product no.:* 549xxx**1.2. Relevant identified uses of the substance or mixture and uses advised against***Relevant identified uses* None known.*of the substance or**mixture:**Use descriptors (REACH):*

| Product category | Description    |
|------------------|----------------|
| PC 0             | Other products |

*Uses advised against :* None known.**1.3. Details of the supplier of the safety data sheet**

*Company and address:* **EUROLUB GmbH**  
Freisingerstraße 25-27  
85386 Eching  
Germany  
Tel.: +49 8165 9591-0  
www.eurolub.com

*Contact person:* Laboratory*E-mail:* info@eurolub.com▼ *Revision:* 06/07/2026▼ *SDS Version:* 2.0

▼ *Date of previous* 02/08/2023 (1.0)

*version:*

#### 1.4. Emergency telephone number

Phone: +49 8165 9591-0

This number is only available at office times.

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## SECTION 2: HAZARDS IDENTIFICATION

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### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.2. ▼ Label elements

*Hazard pictogram(s):* Not applicable.

*Signal word:* Not applicable.

*Hazard statement(s):* Not applicable.

▼ *Precautionary statement(s):*

▼ *General:* Not applicable.

▼ *Prevention:* Not applicable.

▼ *Response:* Not applicable.

▼ *Storage:* Not applicable.

▼ *Disposal:* Not applicable.

▼ *Hazardous substances:* Contains no substances that need to be listed on the label.

*Additional labelling:* EUH210, Safety data sheet available on request.

### 2.3. Other hazards

▼ *Additional warnings:* This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in

Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. ▼ Mixtures

| Product/substance                                                    | Identifiers                                                                                          | % w/w | Classification | Note |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------|----------------|------|
| 2-(2-methoxyethoxy)ethanol;<br>diethylene glycol<br>monomethyl ether | CAS No.: 111-77-3<br>EC No.: 203-906-6<br>UK-REACH: 01-2119475100-52-XXXX<br>Index No.: 603-107-00-6 | 1-3%  | Repr. 2, H361d | [1]  |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

[1] European occupational exposure limit.

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### ▼ Inhalation:

In case of discomfort: bring the person into fresh air.

|                       |                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Skin contact:</i>  | Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.                                                                           |
| ▼ <i>Eye contact:</i> | Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help. |
| ▼ <i>Ingestion:</i>   | Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.          |
| <i>Burns:</i>         | Not applicable.                                                                                                                                                             |

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

None known.

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

Treat symptomatically.

**Information to medics**

Bring this safety data sheet or the label from this product.

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**SECTION 5: FIREFIGHTING MEASURES**

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**5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

**5.2. Special hazards arising from the substance or mixture**

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

**5.3. Advice for firefighters**

No specific requirements.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

**6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

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**SECTION 7: HANDLING AND STORAGE**

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**7.1. ▼ Precautions for safe handling**

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

**7.2. ▼ Conditions for safe storage, including any incompatibilities**

*Recommended storage material:* Always store in containers of the same material as the original container.

*Storage conditions:* Dry, cool and well ventilated

*Incompatible materials:* Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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## 8.1. Control parameters

2-(2-methoxyethoxy)ethanol;diethylene glycol monomethyl ether

Long term exposure limit (8 hours) (ppm): 10

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 50,1

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

## DNEL

2-(2-methoxyethoxy)ethanol;diethylene glycol monomethyl ether

| Duration:                                         | Route of exposure: | DNEL:                  |
|---------------------------------------------------|--------------------|------------------------|
| Long term – Systemic effects - General population | Dermal             | 1.33 mg/kg bw/day      |
| Long term – Systemic effects - Workers            | Dermal             | 2.22 mg/kg bw/day      |
| Long term – Systemic effects - General population | Inhalation         | 30.1 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation         | 50.1 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral               | 7.5 mg/kg bw/day       |

## PNEC

2-(2-methoxyethoxy)ethanol;diethylene glycol monomethyl ether

| Route of exposure:                | Duration of Exposure: | PNEC:      |
|-----------------------------------|-----------------------|------------|
| Freshwater                        |                       | 12 mg/L    |
| Freshwater sediment               |                       | 44.4 mg/kg |
| Intermittent release (freshwater) |                       | 12 mg/L    |
| Marine water                      |                       | 1.2 mg/L   |
| Marine water sediment             |                       | 440 µg/kg  |
| Predators                         |                       | 90 mg/kg   |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                        |  |           |
|------------------------|--|-----------|
| Sewage treatment plant |  | 10 g/L    |
| Soil                   |  | 2.1 mg/kg |

## 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

|                                                  |                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>General recommendations:</i>                  | Smoking, drinking and consumption of food is not allowed in the work area.                                                                         |
| <i>Exposure scenarios:</i>                       | There are no exposure scenarios implemented for this product.                                                                                      |
| <i>Exposure limits:</i>                          | Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above. |
| <i>Appropriate technical measures:</i>           | Apply standard precautions during use of the product. Avoid inhalation of gas or dust.                                                             |
| <i>▼ Hygiene measures:</i>                       | Wash hands after use.                                                                                                                              |
| <i>Measures to avoid environmental exposure:</i> | No special when used as intended.                                                                                                                  |

## Individual protection measures, such as personal protective equipment

*Generally:* Use only UKCA marked protective equipment.

*Respiratory Equipment:*

| Type                                                                       | Class | Colour | Standards |  |
|----------------------------------------------------------------------------|-------|--------|-----------|--|
| Respiratory protection is not needed in the event of adequate ventilation. |       |        |           |  |

*Skin protection:*

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

| Recommended                             | Type/Category | Standards |                                                                                     |
|-----------------------------------------|---------------|-----------|-------------------------------------------------------------------------------------|
| Dedicated work clothing should be worn. | -             | -         |  |

▼ *Hand protection:*

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards                 |                                                                                     |
|----------|----------------------|--------------------------|---------------------------|-------------------------------------------------------------------------------------|
| Nitrile  | 0.4                  | > 480                    | EN374-2, EN16523-1, EN388 |  |

*Eye protection:*

| Type                                                                     | Standards |                                                                                      |
|--------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|
| In the likelihood of direct or incidental exposure, use face protection. | EN166     |  |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

▼ *Physical state:* No data available.

▼ *Colour:* No data available.

▼ *Odour / Odour threshold:* No data available.

*pH:* 7-11

*Density (g/cm<sup>3</sup>):* 1.07

*Kinematic viscosity:* 5 (20 °C)

▼ *Particle characteristics:* No data available.

### Phase changes

|                                    |                    |
|------------------------------------|--------------------|
| Melting point/Freezing point (°C): | -50                |
| Boiling point (°C):                | 230                |
| ▼ Vapour pressure:                 | No data available. |
| ▼ Relative vapour density:         | No data available. |
| ▼ Decomposition temperature (°C):  | No data available. |

#### Data on fire and explosion hazards

|                                            |                    |
|--------------------------------------------|--------------------|
| Flash point (°C):                          | 100                |
| Flammability (°C):                         | 300                |
| ▼ Auto-ignition temperature (°C):          | No data available. |
| ▼ Lower and upper explosion limit (% v/v): | No data available. |

#### Solubility

|                                         |                    |
|-----------------------------------------|--------------------|
| ▼ Solubility in water:                  | No data available. |
| ▼ n-octanol/water coefficient (LogKow): | No data available. |
| ▼ Solubility in fat (g/L):              | No data available. |

#### 9.2. Other information

|                                         |                    |
|-----------------------------------------|--------------------|
| VOC (g/L):                              | 0                  |
| Other physical and chemical parameters: | No data available. |
| ▼ Oxidizing properties:                 | No data available. |

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No data available.

#### **10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

#### **10.3. Possibility of hazardous reactions**

None known.

#### **10.4. Conditions to avoid**

None known.

#### **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### **10.6. ▼ Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

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#### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

##### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

##### **Respiratory sensitization**

Based on available data, the classification criteria are not met.

##### **Skin sensitisation**

Based on available data, the classification criteria are not met.

##### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

##### **Carcinogenicity**

Based on available data, the classification criteria are not met.

### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

### **STOT-single exposure**

Based on available data, the classification criteria are not met.

### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **▼ Symptoms related to the physical, chemical and toxicological characteristics**

None known.

## **11.2. Information on other hazards**

### **▼ Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### **Other information**

None known.

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## **SECTION 12: ECOLOGICAL INFORMATION**

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### **12.1. ▼ Toxicity**

Based on available data, the classification criteria are not met.

### **12.2. ▼ Persistence and degradability**

Based on available data, the classification criteria are not met.

### **12.3. ▼ Bioaccumulative potential**

Based on available data, the classification criteria are not met.

### **12.4. Mobility in soil**

No data available.

### **12.5. ▼ Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

## 12.6. ▼ Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

## 12.7. Other adverse effects

None known.

# SECTION 13: DISPOSAL CONSIDERATIONS

## 13.1. ▼ Waste treatment methods

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

▼ EWC code: 15 01 10\*  
Packaging containing residues of or contaminated by dangerous substances  
16 01 13\* Brake fluids

## Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

# SECTION 14: TRANSPORT INFORMATION

|             | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es) | 14.4<br>PG* | 14.5<br>Env** | Other information: |
|-------------|-----------------|---------------------------------|--------------------------|-------------|---------------|--------------------|
| ADR/ADN/RID | -               | -                               | -                        | -           | -             | -                  |
| IMDG        | -               | -                               | -                        | -           | -             | -                  |
| IATA        | -               | -                               | -                        | -           | -             | -                  |

\* Packing group

\*\* Environmental hazards

## ▼ Additional information

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

## 14.6. Special precautions for user

Not applicable.

## 14.7. Maritime transport in bulk according to IMO instruments

No data available.

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## SECTION 15: REGULATORY INFORMATION

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

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Restrictions for application:</i>               | Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.                                                                                                                                                                                                                                                                                          |
| <i>Demands for specific education:</i>             | No specific requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <i>SEVESO - Categories / dangerous substances:</i> | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <i>REACH, Annex XVII:</i>                          | 2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether is subject to restrictions, UK-REACH annex XVII (entry 54).                                                                                                                                                                                                                                                                                                                                                                     |
| <i>Additional information:</i>                     | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <i>Sources:</i>                                    | <p>The Health and Safety at Work etc. Act 1974 Regulations 2013.</p> <p>Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.</p> <p>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.</p> <p>Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.</p> |

### 15.2. Chemical safety assessment

No

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## SECTION 16: OTHER INFORMATION

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### **Full text of H-phrases as mentioned in section 3**

H361d, Suspected of damaging the unborn child.

### **The full text of identified uses as mentioned in section 1**

PC 0 = Other products

### **▼ Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EC = Effective concentration

ED = Effective dose

EINECS = European Inventory of Existing Commercial chemical Substances

EL = Effective Loading

ErC = Concentration associated with x% growth rate response

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWG = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

HP = Hazardous Property code

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IC = X maximum inhibitory concentration

IMDG = International Maritime Dangerous Goods

LC = Lethal concentration

LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans

LD = Lethal dose

LOAEC = Lowest Observed Adverse Effect Concentration

LOAEL = Lowest Observed Adverse Effect Level

LOEC = Lowest Observed Effect Concentration

LogKow = logarithm of the n-octanol/water coefficient

LL = Lethal Loading

M = For multiplication factor

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NOAEC = No Observed Adverse Effect Concentration

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOELR = No Observable Effect Loading Rate

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

Not applicable.

#### **The safety data sheet is validated by**

MSDS

#### **▼ Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en