

Safety data sheet

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 2019/02/13 Version: 2.1

TRADE NAME: ETG – YOUR LIFETIME PARTNER

Product: BRAKE FLUID DOT 5.1

Article No.: 09.01.03.100027 (1 ltr.) | 09.01.03.100113 (0.5 ltr.)

EAN: 4051792000279 (1 ltr.) | 4051792113009 (0.5 ltr.)

Ref. DOT 5.1

HS code: 38190000

Date of print: 13.02.2019

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

1.1 Product identifier

ETG –HIGHTEC BRAKE FLUID DOT 5.1

EAN: 4051792000279 (1 ltr.) | 4051792113009 (0.5 ltr.)

Ref. No: DOT 5.1

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

Use of the substance/mixture: Hydraulic Fluid

1.3 Details of the supplier of the safety data sheet

Meyer-Glitza, Frese GmbH & Co. KG

Kirchweg 130 - 132

D-24558 Henstedt-Ulzburg

+49 (0) 40 / 2360902-0+49 (0) 40 / 23609-22

info@meyer-glitza.de

www.etg-de

1.4 Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Germany	Giftinformationszentrum Nord (Göttingen)		+49 (0) 551/19240	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture

Additional labelling:

EUH208 May produce an allergic reaction.

EUH210 Safety data sheet available on

Contains: Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs. and 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs. and 1-(tert-dodecylthio)propan-2-ol and Benzene, polypropene derivatives, sulfonated, calcium salts and C14-18 alpha-olefin epoxide, reaction products with boric acid



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SECTION 3: Composition/information on ingredients

3.1. Mixture

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
111-46-6	2,2' -oxybisethanol, diethylene glycol			<5 %
	203-872-2	603-140-00-6		
	Acute Tox. 4; H302			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Self-protection of the first aider

Change contaminated clothing.

Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

After ingestion

Call a physician immediately

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Water spray. **Unsuitable extinguishing media**

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance itself, combustion products, resulting gases: CO, NOx

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures



contact:



Provide adequate ventilation. Wear suitable protective clothing.

6.2. Environmental precautions

Do not allow to enter into surface water or drains

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 recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special handling instructions are necessary

Advice on protection against fire and explosion

Keep away from combustible material.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
111-46-6	2,2'-Oxydiethanol	23	101		TWA (8 h)	WEL

8.2. Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Avoid contact with skin and eyes.

Eye/face protection

Wear eye/face protection.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

NBR (Nitrile rubber).; 0,4mm;
30min Butyl rubber.; 0,7mm;
480min

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient , respiratory protection must be worn. full mask (DIN EN 136).

Further regulations, limitations and legal requirements: National regulations, Regulatory information, EU legislation



contact:



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	light yellow	
Odour:	characteristic	
		Test method
pH-Value (at 20 °C):		ca. 7-8 ASTM-D 1287
Changes in the physical state		
Initial boiling point and boiling range:	>260 °C	ASTM D 1120
Setting point::		ASTM-D 1177
Flash point:	>126 °C	DIN EN ISO 2719
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Ignition temperature:	>300 °C	DIN 51794
Vapour pressure: (at 20 °C)	<0,1 hPa	
Density (at 20 °C):	ca. 1,065 g/cm ³	DIN 51757
Water solubility: (at 20 °C)	completely miscible	
Solubility in other solvents	not determined	
Partition coefficient:		not applicable
Viscosity / kinematic: (at 20 °C)	ca. 12,5 mm ² /s	DIN 51562
Vapour density:		not determined
Evaporation rate:		not determined

9.2. Other Information

Solid content:	0
The product is hygroscopic	

SECTION 10: Stability and reactivity

10.2. Chemical stability

Onset of decomposition at elevated temperatures (~360°C)

10.3. Possibility of hazardous reactions

This product is stable under normal conditions. Hazardous reactions are unlikely.

10.4. Conditions to avoid

Conditions to avoid: none

10.5. Incompatible materials

Materials to avoid: none

10.6. Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products known.



contact:



SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity not determined

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-46-6	2,2' -oxybisethanol, diethylene glycol				
	oral	ATE mg/kg	500		
	dermal	LD50 mg/kg	11890	Rabbit	

Irritation and corrosivity

not determined

Sensitising effects

not determined

Carcinogenic/mutagenic/toxic effects for reproduction

not determined

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC)

SECTION 12: Ecological information

12.1. Toxicity

Fischtox (Fish tox.) LD50: 250-350 mg/l (96h Goldorfe), DIN 38412 Part 15
Bakterientox (Tox of bacteria) EC50 >5 g/l, OECD 209

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
111-46-6	2,2' -oxybisethanol, diethylene glycol					
	Acute fish toxicity	LC50 mg/l	> 32000	96 h	Gambusia affinis	

12.2. Persistence and degradability

Product:

Product is biodegradable. (97% / 4d)

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-46-6	2,2' -oxybisethanol, diethylene glycol	-1,98 (25°C)

Further Information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC)

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

Advice on disposal

Send to a hazardous waste incinerator facility under observation of official regulations.

Waste disposal number of waste from residues/unused products

160113 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08); brake fluids; hazardous waste

Waste disposal number of waste from used products

160113 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08); brake fluids; hazardous waste

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: 2,2'-oxybisethanol, diethylene glycol

National regulatory information

Water contaminating class: WGK 1 slightly water endangering
(Germany)

15.2. Chemical safety assessment

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

SECTION 16: Other information

Full text of H-Statements

H302 Harmful if swallowed.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling,



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use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)



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