

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 17-2-2014 Revision date: 19-11-2021 Supersedes: 16-3-2021 Version: 4.3

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	ABS Brakefluid DOT 4
Product code	:	V100555009
Product group	:	Trade product

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

1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

: Industrial use,professional use,Consumer use: Brake fluid.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ABS All Brake Systems B.V. PO Box 293 3400 AG IJSSELSTEIN - The Netherlands T 030-6861200 - F 030-6861249 mba@abs-bv.nl

1.4. Emergency telephone number

Emergency number

: +(31)(0)30-6861200 (Monday to Friday: 8:00 - 17:00)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090 Msida	+356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

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Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

H361d

Reproductive toxicity, Category 2

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)

Hazard pictograms (CLP)	
	GHS08
CLP Signal word	: Warning
Contains Hazard statements (CLP)	 tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate H361d - Suspected of damaging the unborn child.
Precautionary statements (CLP)	: P102 - Keep out of reach of children.
recoulding statements (OEr)	P201 - Obtain special instructions before use.
	P280 - Wear protective gloves, protective clothing, eye protection, face protection.
	P308+P313 - IF exposed or concerned: Get medical advice/attention.
	P405 - Store locked up. P501 - Dispose of contents and container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.
EUH-statements	 EUH208 - Contains dihydro-3-(tetrapropenyl)furan-2,5-dione. May produce an allergic reaction.
Child-resistant fastening	: Not applicable
Tactile warning	: Applicable
2.3. Other hazards	

Other hazards not contributing to the classification : Attacks some forms of plastics, rubber, and coatings.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate	CAS-No.: 30989-05-0 EC-No.: 250-418-4 REACH-no: 01-2119462824- 33	25 – 35	Repr. 2, H361d
2,2' -oxybisethanol; diethylene glycol substance with national workplace exposure limit(s) (GB, IE)	CAS-No.: 111-46-6 EC-No.: 203-872-2 EC Index-No.: 603-140-00-6 REACH-no: 01-2119457857- 21	5 – 10	Acute Tox. 4 (Oral), H302
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol	CAS-No.: 143-22-6 EC-No.: 205-592-6 EC Index-No.: 603-183-00-0 REACH-no: 01-21195457107- 38	5 – 10	Eye Dam. 1, H318
2-(2-methoxyethoxy)ethanol substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit	CAS-No.: 111-77-3 EC-No.: 203-906-6 EC Index-No.: 603-107-00-6 REACH-no: 01-2119475100- 52	1 – 3	Repr. 2, H361d
dihydro-3-(tetrapropenyl)furan-2,5-dione	CAS-No.: 26544-38-7 EC-No.: 247-781-6 REACH-no: 01-2119979080- 37	< 0,1	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 4, H413

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

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: Seek medical attention if ill effect develops.
First-aid measures after inhalation	: Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain medical attention if pain, blinking, tears or redness persist.
First-aid measures after ingestion	: Consult a doctor/medical service if you feel unwell. If vomiting occurs spontaneously, keep head below the hips to prevent aspiration. Do not induce vomiting.
4.2. Most important symptoms and effect	s, both acute and delayed
4.2. Most important symptoms and effect Symptoms/effects after inhalation	 At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
	: At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or
Symptoms/effects after inhalation	 At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs. Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. High pressure injection of product into the skin may lead to
Symptoms/effects after inhalation Symptoms/effects after skin contact	 At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs. Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.

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

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	 carbon dioxide (CO2), dry chemical powder, foam. Water fog. Do not use a heavy water stream. Use of heavy stream of water may spread fire. 	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard	Combustion generates: CO, CO2.Not expected to be a fire/explosion hazard under normal conditions of use.	
5.3. Advice for firefighters		
Precautionary measures fire Firefighting instructions Protection during firefighting Other information	 Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Use self-contained breathing apparatus and chemically protective clothing. Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. 	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective	equipment and emergency procedures	
General measures	: Spill area may be slippery. Prevent soil and water pollution. Prevent entry to sewers and public waters.	
6.1.1. For non-emergency personnel		
Protective equipment	: When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Use protective clothing.	
Emergency procedures	: Consider evacuation.	
6.1.2. For emergency responders		
Protective equipment	: When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.	
Emergency procedures	: No specific measures are necessary.	
6.2. Environmental precautions		

Dike for recovery or absorb with appropriate material. Notify authorities if product enters sewers or public waters. Prevent soil and water pollution. Prevent liquid from entering sewers, watercourses, underground or low areas. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and material for co	ntainment and cleaning up
For containment	: Large quantities: Contain large spillage with sand or earth.
Methods for cleaning up	: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Take up large spills with pump or vacuum and finish with dry chemical absorbent.
Other information	: Use suitable disposal containers. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.
Precautions for safe handling	: Avoid prolonged and repeated contact with skin. May be dangerously slippery if spilled. Where contact with eyes or skin is likely, wear suitable protection. Do not eat, drink or smoke during use. Remove contaminated clothing and shoes.
Hygiene measures	: Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Where contact with eyes or skin is likely, wear suitable protection. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including	ng any incompatibilities
Technical measures	: Keep container tightly closed and in well ventilated place.
Storage conditions Incompatible products	 Keep only in original container. Reacts vigorously with strong oxidizers and acids.
Maximum storage period	: 2 year
Storage temperature	: ≤ 40 °C
Information on mixed storage	: Keep away from : Oxidizing materials. Strong acids.
Storage area	: Store at ambient temperature.
Special rules on packaging	: Keep container tightly closed and dry.

7.3. Specific end use(s)

Brake fluid.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

2,2' -oxybisethanol; diethylene glycol (111-46-6)		
Ireland - Occupational Exposure Limits		
Local name	Diethylene glycol [2,2'-Oxydiethanol]	
OEL (8 hours ref) (mg/m³)	100 mg/m³	
OEL (8 hours ref) (ppm)	23 ppm	
Regulatory reference	Chemical Agents Code of Practice 2021	
United Kingdom - Occupational Exposure Limits		
Local name	2,2'-Oxydiethanol	
WEL TWA (mg/m³)	101 mg/m³	
WEL TWA (ppm)	23 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
2-(2-methoxyethoxy)ethanol (111-77-3)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-(2-Methoxyethoxy)ethanol	
IOELV TWA (mg/m ³)	50,1 mg/m ³	

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2-(2-methoxyethoxy)ethanol (111-77-3)		
IOELV TWA (ppm)	10 ppm	
IOELV STEL (mg/m ³)	10 mg/m³	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC	
Ireland - Occupational Exposure Limits		
Local name	2-(2-Methoxyethoxy)ethanol	
OEL (8 hours ref) (mg/m³)	50,1 mg/m³	
OEL (8 hours ref) (ppm)	10 ppm	
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	
Malta - Occupational Exposure Limits		
Local name	2-(2-Methoxyethoxy)ethanol	
OEL TWA (mg/m³)	50,1 mg/m³	
OEL TWA (ppm)	10 ppm	
Remark (MT)	Skin # Ĝilda	
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)	
United Kingdom - Occupational Exposure Limits		
Local name	2-(2-Methoxyethoxy) ethanol	
WEL TWA (mg/m³)	50,1 mg/m³	
WEL TWA (ppm)	10 ppm	
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Large quantities: Contain large spillage with sand or earth.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. In case of splash hazard: safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Eye protection should only be necessary where liquid could be splashed or sprayed

8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use. Avoid repeated or prolonged skin contact. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn. Equipment should conform to EN 166.

Hand protection:

In case of repeated or prolonged contact wear gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Other skin protection

Materials for protective clothing:

PVC gloves. Nitrile rubber. Butyl-rubber protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment. Respiratory protective equipment must be checked to ensure it fits correctly each time it is worn. Provided an air-filtering/air-purifying respirator is suitable, a filter for particulates can be used for mist or fume. Use filter type P or comparable standard. A combination filter for particles and organic gases and vapours (boiling point >65°C) may be required if vapour or abnormal odour is also present due to high product temperature. Use filter type AP or comparable standard.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

See Heading 12. See Heading 6.

Consumer exposure controls:

PVC gloves. Nitrile-rubber protective gloves. Butylrubber protective gloves.

Other information:

Do not put the product-soaked rags into the pockets of working clothes. Do not use cloths stained with the product to dry hands. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily. Liquid.
Colour	: Yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: $7 - 11,5$
Relative evaporation rate (butylacetate=1)	: $< 0,1$
Melting point	: $\le -36 \ ^{\circ}C$
Freezing point	: No data available
Boiling point	: > 260 \ ^{\circ}C
Freezing point	: No data available
Boiling point	: > 260 °C
Flash point	: > 120 °C

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Auto ignition tomporaturo	: > 300 °C
Auto-ignition temperature	
Decomposition temperature	: > 300 °C
Flammability (solid, gas)	: No data available
Vapour Pressure 20°C	: < 0,2 hPa
Relative vapour density at 20 °C	: >1 (air=1)
Relative density	: No data available
Density	: 1,03 – 1,06 kg/l
Solubility	: Completely miscible with water.
Log Pow	: <2
Viscosity, kinematic	: 10 – 20 mm²/s
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 0,6 – 7 vol %
9.2 Other information	

9.2. Other information

VOC content

: < 1,15 %

Other properties

: Gas/vapour heavier than air at 20'C.

SECTION 10	Stability	and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Moisture. Overheating.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

CO, CO2.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified
2,2' -oxybisethanol; diethylene glycol (111-46	-6)
LD50 oral rat	19600 mg/kg bodyweight
LD50 dermal rabbit	11890 mg/kg
LC50 Inhalation - Rat	> 4,6 mg/l air
tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orth	oborate (30989-05-0)
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)

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LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
Skin corrosion/irritation	: Not classified
	pH: 7 – 11,5
Serious eye damage/irritation	: Not classified
Descriptory or alkin appointion	pH: 7 – 11,5
Respiratory or skin sensitisation	: Not classified : Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	
Reproductive toxicity	: Suspected of damaging the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
tris[2-[2-(2-methoxyethoxy)ethoxy]	ethyl] orthoborate (30989-05-0)
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
Aspiration hazard	: Not classified
ABS Brakefluid DOT 4	
Viscosity, kinematic	10 – 20 mm²/s
Other information	 Toxicological data have not been determined specifically for this product. Information giver is based on a knowledge of the components and the toxicology of similar products, Likely route of exposure: ingestion, skin and eye.

SECTION 12: Ecological information	
12.1. Toxicity	
	Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.
Hazardous to the aquatic environment, short-term : (acute)	Not classified
Hazardous to the aquatic environment, long-term : (chronic)	Not classified
2,2' -oxybisethanol; diethylene glycol (111-46	6)
LC50 fish 1	> 5000 ppm
LC50 fish 2	75200 mg/l
EC50 Daphnia 1	> 3200 mg/l EC50 48h - Daphnia magna [mg/l]
EC50 Daphnia 2	> 10000 mg/l
EC50 72h - Algae [1]	1054 mg/l Scenedesmus subspicatus
EC50 96h - Algae [1]	9362 mg/l
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE;	triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)
LC50 fish 1	75200 mg/l Pimephales promelas
EC50 Daphnia 1	> 10000 mg/l EC50 24h - Daphnia magna [mg/l]
NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata

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tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] ortho	oborate (30989-05-0)
LC50 fish 1	> 222,2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 fish 2	> 1010 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 Daphnia 1	> 211,2 mg/l Test organisms (species): Daphnia magna
EC50 Daphnia 2	> 960 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 224,4 mg/l Test organisms (species): other:Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)
EC50 72h - Algae [2]	> 1020 mg/l Test organisms (species): other:Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

ABS Brakefluid DOT 4		
Persistence and degradability	Not readily biodegradable.	
2,2' -oxybisethanol; diethylene glycol (111-46-6)		
Biochemical oxygen demand (BOD)	0,02 g O ₂ /g substance	
Chemical oxygen demand (COD)	1,51 g O ₂ /g substance	
ThOD	1,51 g O ₂ /g substance	
BOD (% of ThOD)	0,015	

12.3. Bioaccumulative potential

ABS Brakefluid DOT 4			
Log Pow	< 2		
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.		
2,2' -oxybisethanol; diethylene glycol (111-46-	6)		
BCF fish 1	100		
Bioconcentration factor (BCF REACH)	100		
Log Pow	-1,98		
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)			
Log Pow	0,51		
12.4. Mobility in soil			
ABS Brakefluid DOT 4			
Ecology - soil	Spillages may penetrate the soil causing ground water contamination. This product floats on water and may affect the oxygen-balance in the water.		
2,2' -oxybisethanol; diethylene glycol (111-46-6)			
Surface tension	0,0485 N/m		
Log Koc	0		

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12.5. Results of PBT and vPvB assessment	
Component	
2,2' -oxybisethanol; diethylene glycol (111-46-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considera	tions
13.1. Waste treatment methods	
Regional legislation (waste) Waste disposal recommendations	 Disposal must be done according to official regulations. Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment.
Additional information Ecology - waste materials	 Hazardous waste. Every mixture with foreign substances such as solvents, brake- and cooling liquids is forbidden. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. When not empty dispose of this container at hazardous or special waste collection point.
European List of Waste (LoW) code	: 16 01 13* - brake fluids

European List of Waste (LoW) code

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
I4.1. UN number	1		1	1
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippin	ig name			1
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard	class(es)			1
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			-	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental ha	zards		<u>.</u>	
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information	on available		1	1

Overland transport No data available

Transport by sea No data available

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Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

: < 1,15 %

15.1.2. National regulations

VOC content

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	

Full text of H- and EUH-statements		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Repr. 2	Reproductive toxicity, Category 2	
Skin Sens. 1A	Skin sensitisation, category 1A	
H302	Harmful if swallowed.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EUH-statements		
H319	Causes serious eye irritation.	
H361d	Suspected of damaging the unborn child.	
H413	May cause long lasting harmful effects to aquatic life.	
EUH208	Contains dihydro-3-(tetrapropenyl)furan-2,5-dione. May produce an allergic reaction.	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.