

Revision nr. 3

Dated 13/12/2023 Printed on 13/12/2023

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Replaced revision:2 (Printed on: 17/01/2023)

BRAKE FLUID DOT 5.1

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Product name **BRAKE FLUID DOT 5.1**

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

BRAKE FLUID DOT 5.1 (for B2B) Intended use

Identified Uses Industrial Professional Consumer Functional Fluids

1.3. Details of the supplier of the safety data sheet

BREMBO N.V.

Registered office: Amsterdam (Netherlands) Full address

Business and Corporate Address: Via Stezzano, 87 District and Country

24126, Bergamo (BG) Italia

Tel. +39 035 6051111

e-mail address of the competent person

responsible for the Safety Data Sheet SDS@brembo.com

1.4. Emergency telephone number

+39 035 6051111 (8.30 - 17.30 IT, EN) For urgent inquiries refer to

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

H361fd Reproductive toxicity, category 2 Suspected of damaging fertility. Suspected of damaging the

unborn child.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



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Hazard pictograms:



Signal words: Warning

Hazard statements:

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary statements:

P280 Wear protective gloves/ protective clothing / eye protection / face protection.

P201 Obtain special instructions before use.

P308+P313 IF exposed or concerned: Get medical advice / attention.

Contains: tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] borate

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % Classification (EC) 1272/2008 (CLP)

tris[2-[2-(2-

methoxyethoxy)ethoxy]ethyl]

borate

INDEX - $60 \le x < 70$ Repr. 2 H361fd

EC 250-418-4 CAS 30989-05-0

REACH Reg. 01-2119462824-33-

xxxx

DI-ISOPROPANOLAMINE

INDEX 603-083-00-7 $1 \le x < 3$ Eye Irrit. 2 H319

EC 203-820-9 CAS 110-97-4

REACH Reg. 01-2119475444-34-

xxxx

Reaction mass of 2-(2-(2butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

INDEX - $1 \le x < 3$ Eye Dam. 1 H318

EC 907-996-4 Eye Dam. 1 H318: \geq 30%, Eye Irrit. 2 H319: \geq 20%



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CAS -

REACH Reg. 01-2119475115-41-

XXXX

2,6-di-tert-butyl-p-cresol

INDEX - $0.1 \le x < 0.2$ Aquatic Chronic 1 H410 M=1

EC 204-881-4 CAS 128-37-0

REACH Reg. 01-2119480433-40-

xxxx

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained



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open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

TLV-ACGIH

ACGIH 2022

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] borate

Predicted no-effect concentration - PNEC



Normal value for the terrestrial compartment

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Normal value in fresh water	0,211	mg/l	
Normal value in marine water	0,021	mg/l	
Normal value for fresh water sediment	0,76	mg/kg	
Normal value for marine water sediment	0,076	mg/kg	
Normal value for water, intermittent release	2,112	mg/l	
Normal value of STP microorganisms	100	mg/l	
Normal value for the terrestrial compartment	0,028	mg/kg	
Health - Derived no-effect level - DNEL / DMEL			

Effects on Effects on workers consumers Route of exposure Acute local Acute systemic Chronic local Chronic Acute local Acute Chronic local Chronic systemic systemic systemic 29,1 mg/m3 7,2 mg/m3 Inhalation

2-(2-(2-methoxyethe	oxy)ethoxy)ethanol						
Threshold Limit Val							
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
TLV-ACGIH		50					
Predicted no-effect cond	centration - PNEC						
Normal value in fresh w	ater			10	n	ng/l	
Normal value in marine	water			1	n	ng/l	
Normal value for fresh v	water sediment			36,6	n	ng/kg	
Normal value for marine	e water sediment			3,66	m	ng/kg	
Normal value for water,	intermittent release			50	n	ng/l	
Normal value of STP mi	icroorganisms			200	m	ng/l	
Normal value for the foo	od chain (secondary poiso	oning)		89	n	ng/kg	

Health - Derived no-effect level - DNEL / DMEL									
	Effects on				Effects on				
	consumers				workers				
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic	
Oral			VND	2 mg/kg				10 mg/kg bw/d	
Inhalation			VND	93 mg/m3			VND	156 mg/m3	
Skin			VND	100 mg/kg			VND	167 mg/kg bw/d	

1,56

mg/kg

2-tetraoxahexadecan	-1-ol	
2	mg/l	
0,2	mg/l	
6,6	mg/kg	
0,66	mg/kg	
18	mg/l	
500	mg/l	
333	mg/kg	
0,46	mg/kg	
	2 0,2 6,6 0,66 18 500	0,2 mg/l 6,6 mg/kg 0,66 mg/kg 18 mg/l 500 mg/l 333 mg/kg



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Health - Derived no-effe	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				12,5 mg/kg bw/d				
Inhalation				117 mg/m3				195 mg/m
Skin				125 mg/kg bw/d				208 mg/kg bw/d
2,6-di-tert-butyl-p-creso Threshold Limit Value	I							
Туре	Country	TWA/8h		STEL/15min		Remarks Observa		
		mg/m3	ppm	mg/m3	ppm	Observa	uona	
TLV-ACGIH		2						
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				0,199	μд	/I		
Normal value in marine water	r			0,02	μд	/I		
Normal value for fresh water	sediment			99,6	μG	G/kg		
Normal value for marine water	er sediment			9,96	μG	G/kg		
Normal value for water, intern	mittent release			1,99	μд	/I		
Normal value of STP microor	ganisms			0,17	mç	g/l		
Normal value for the food chain (secondary poisoning)				8,33	mç	g/kg		
Normal value for the terrestric	al compartment			47,69	μG	G/kg		
Health - Derived no-effe	ct level - DNEL / [Effects on consumers	OMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral		1 mg/kg bw/d		systemic 0,25 mg/kg bw/d		systemic		systemic
Inhalation		3,1 mg/m3		0,78 mg/m3		18 mg/m3		4,4 mg/m3
Skin		6,7 mg/kg bw/d		1,7 mg/kg bw/d		19 mg/kg bw/d		4,7 mg/kg bw/d
METHYL-1H-BENZOTRI Predicted no-effect concentra								
Normal value in fresh water				0,008	mg	g/l		
Normal value in marine water	r			0,008	mg	g/l		
Normal value for fresh water	sediment			0,0025	mg	g/kg		
Normal value for marine water	er sediment			0,0025	mg	g/kg		
Normal value for water, intern	mittent release			0,086	mg	g/l		
Normal value of STP microorganisms				39,4	mg	g/l		
Normal value for the terrestri	al compartment			0,0024	mg	g/kg		
	ct level - DNEL / [OMEL			Effects on			
Health - Derived no-effe	Effects on				workers			
Route of exposure	Effects on consumers Acute local	Acute systemic	Chronic local	Chronic systemic	workers Acute local	Acute systemic	Chronic local	Chronic systemic
	consumers	Acute systemic	Chronic local VND VND				Chronic local VND	



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Skin VND 0,25 mg/kg VND 0,5 mg/kg

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard : HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties Value Information
Appearance liquid

Appearance liquid

Colour colourless to amber

Odour characteristic

Melting point / freezing point not available



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Initial boiling point > 260 °C
Flammability not available
Lower explosive limit not applicable
Upper explosive limit not applicable
Flash point > 100 °C
Auto-ignition temperature not available
Decomposition temperature not available

pH 9

Kinematic viscosity not available

Dynamic viscosity 900

Solubility soluble

Partition coefficient: n-octanol/water not available

Vapour pressure not available

Density and/or relative density 1,000 - 1,100

Relative vapour density not available

Particle characteristics not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU) 0
VOC (volatile carbon) 0

SECTION 10. Stability and reactivity

10.1. Reactivity

The product may react exothermically on contact with strong oxidising or reducing agents, strong acids or bases.

Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

Hygroscopic.

10.2. Chemical stability

Excessively high temperatures can cause thermal decomposition.

Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

Avoid exposure to: air.

Hygroscopic.



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10.3. Possibility of hazardous reactions

See paragraph 10.1.

10.4. Conditions to avoid

Avoid overheating.

10.5. Incompatible materials

Oxidising or reducing agents. Strong acids or bases.

Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

Avoid contact with: strong acids, strong bases, water.

2,6-di-tert-butyl-p-cresol

Avoid contact with: oxidising agents.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

Develops: carbon monoxide, carbon dioxide.

2,6-di-tert-butyl-p-cresol

In decomposition develops: carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure



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Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

ATE (Oral) of the mixture:

Not classified (no significant component)

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] borate

LD50 (Dermal): > 2000 mg/kg LD50 (Oral): > 2000 mg/kg

2-(2-(2-methoxyethoxy)ethoxy)ethanol

LD50 (Dermal): 7,1 g/kg LD50 (Oral): 7,1 g/kg > 10500 mg/kg

DI-ISOPROPANOLAMINE

LD50 (Oral): 6720 mg/kg

Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

LD50 (Dermal): 3540 mg/kg bw LD50 (Oral): 5170 mg/kg bw

2,6-di-tert-butyl-p-cresol

LD50 (Dermal): > 2000 mg/kg dw LD50 (Oral): > 2930 mg/kg dw

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class



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SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Suspected of damaging fertility - Suspected of damaging the unborn child

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards



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Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

2,6-di-tert-butyl-p-cresol

EC50 - for Crustacea > 0,61 mg/l/48h
Chronic NOEC for Crustacea 0,316 mg/l

2-(2-(2-methoxyethoxy)ethoxy)ethanol

 LC50 - for Fish
 10000 mg/l/96h

 EC50 - for Crustacea
 > 500 mg/l/48h

 Chronic NOEC for Crustacea
 3152 mg/l

 Chronic NOEC for Algae / Aquatic Plants
 1000 mg/l

DI-ISOPROPANOLAMINE

LC50 - for Fish > 222,2 mg/l/96h

Reaction mass of 2-(2-(2-

butoxyethoxy)ethoxy)ethanol and 3,6,9,12-

tetraoxahexadecan-1-ol

 LC50 - for Fish
 > 1800 mg/l/96h

 EC50 - for Crustacea
 > 3200 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 391 mg/l/72h

 EC10 for Algae / Aquatic Plants
 188 mg/l/72h

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]

borate

 LC50 - for Fish
 > 222,2 mg/l/96h

 EC50 - for Crustacea
 > 211,2 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 > 224,4 mg/l/72h

12.2. Persistence and degradability

2,6-di-tert-butyl-p-cresol NOT rapidly degradable

2-(2-(2-methoxyethoxy)ethoxy)ethanol

Rapidly degradable

DI-ISOPROPANOLAMINE

Rapidly degradable

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]

borate

Rapidly degradable

12.3. Bioaccumulative potential



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Reaction mass of 2-(2-(2-

butoxyethoxy)ethoxy)ethanol and 3,6,9,12tetraoxahexadecan-1-ol

Partition coefficient: n-octanol/water

0,51

12.4. Mobility in soil

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]

Partition coefficient: soil/water 0,008

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0.1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name



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Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] borate

DI-ISOPROPANOLAMINE

Reaction mass of 2-(2-(2-butoxyethoxy)ethoxy)ethanol and 3,6,9,12-tetraoxahexadecan-1-ol

2,6-di-tert-butyl-p-cresol

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Repr. 2 Reproductive toxicity, category 2
Eye Dam. 1 Serious eye damage, category 1

Eye irritation, category 2

Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H318 Causes serious eye damage.H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.



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LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- **DNEL: Derived No Effect Level**
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

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BRAKE FLUID DOT 5.1

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

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Changes to previous review: The following sections were modified: 02 / 03 / 09 / 11 / 12 / 15 / 16.