Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025 Version number 2.00 (replaces version 1.00) Revision: 26.03.2025

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

1.1 Product identifier

Trade name: CLASSIC BRAKE FLUID DOT 4

UFI:
Notified for: Germany
8T10-T09X-D004-Q1TC

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

No further relevant information available.
Application of the substance / the mixture Brake Fluid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
CLASSIC Schmierstoff GmbH & Co. KG
Lange Straße 100-106
D-27318 HOYA
DEUTSCHLAND
Telephone: +49 (4251) - 8120
products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard

Repr. 2 H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms

GHS08

Signal word Warning

Hazard-determining components of labelling:
Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate
Hazard statements
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:
Contains: Dihydro-3-(tetrapropenyl)furan-2,5-dione. May produce an allergic reaction.

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2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 30989-05-0 EINECS: 250-418-4 Reg.nr.: 01-2119462824- 33	Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate Repr. 2, H361fd	<50%
CAS: 143-22-6 EINECS: 205-592-6 Reg.nr.: 01-2119475107-38	2-[2-(2-butoxyethoxy)ethoxy]ethanol Eye Dam. 1, H318 Specific concentration limits: Eye Dam. 1; H318: C ≥ 30 % Eye Irrit. 2; H319: 20 % ≤ C < 30 %	<20%
CAS: 111-46-6 EINECS: 203-872-2	2,2'-oxybisethanol Acute Tox. 4, H302	<10%
CAS: 111-77-3 EINECS: 203-906-6 Reg.nr.: 01-2119475100-52	2-(2-methoxyethoxy)ethanol Repr. 2, H361d	<3%
CAS: 26544-38-7 EINECS: 247-781-6 Reg.nr.: 01-2119979080-37	Dihydro-3-(tetrapropenyl)furan-2,5-diones Eye Irrit. 2, H319; Skin Sens. 1A, H317; Aquatic Chronic 4, H413 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.1 %	<0.1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Take affected persons out of danger area and lay down.
In case of irregular breathing or respiratory arrest provide artificial respiration.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally the product does not irritate the skin.
After eye contact:
Rinse opened eye for several minutes under running water.
Remove any existing contact lenses if possible.
After swallowing:
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
First aid, decontamination, symptomatic treatment.
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

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For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide
BOx

5.3 Advice for firefighters
Protective equipment: Wear self-contained respiratory protective device.
Additional information
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Wear protective clothing.

6.2 Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Prevent formation of aerosols.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
Information about storage in one common storage facility:
Do not store together with acids.
Do not store together with alkalis (caustic solutions).
Store away from oxidising agents.
Further information about storage conditions:
Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke.
Store in cool, dry conditions in well sealed receptacles.
Storage class: 10-13 (TRGS 510)

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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DNELs		
CAS: 30989-05-0 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate		
Oral	DNEL(long/systemic)	1.5 mg/kg bw/d (Consumer)
Dermal	DNEL(long/systemic)	4.2 mg/kg bw/d (worker)
		1.5 mg/kg bw/d (Consumer)
Inhalative	DNEL(long/systemic)	14.8 mg/m3 (worker)
		2.6 mg/m3 (Consumer)
CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol		
Oral	DNEL(long/systemic)	12.5 mg/kg bw/d (Consumer)
Dermal	DNEL(long/systemic)	125 mg/kg bw/d (Consumer)
	DNEL(long/systemic)	208 mg/kg bw/d (Workers (Industrial/Professional))
Inhalative	DNEL(long/systemic)	117 mg/m3 (Consumer)
	DNEL(long/systemic)	195 mg/m3 (Workers (Industrial/Professional))
CAS: 111-77-3 2-(2-methoxyethoxy)ethanol		
Oral	DNEL(long/systemic)	7.5 mg/kg bw/d (Consumer) (Consumer)
Dermal	DNEL(long/systemic)	2.22 mg/kg bw/d (worker) (Workers (Industrial/Professional))
		1.33 mg/kg bw/d (Consumer) (Consumer)
Inhalative	DNEL(long/systemic)	50.1 mg/m3 (worker) (Workers (Industrial/Professional))
		30.1 mg/m3 (Consumer) (Consumer)
CAS: 26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-diones		
Dermal	DNEL(long/systemic)	0.33 mg/kg bw/d (worker) langzeitig

PNECs	
CAS: 30989-05-0 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate	
PNEC	100 mg/L (Wastewater treatment plant)
	0.021 mg/L (Seawater)
	0.211 mg/L (Freshwater)
PNEC	0.028 mg/Kg (Soil)
	0.076 mg/Kg (Seawater sediment)
	0.76 mg/Kg (Freshwater sediment)
CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol	
PNEC(aqua)	1.5 mg/L (freshwater)
PNEC(aqua)	0.58 mg/L (marine water)
PNEC(aqua)	5 mg/L (intermittent release)
PNEC(STP)	200 mg/L (sewage treatment plant)

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PNEC (sediment)	5.77 mg/kg sedi. dw (freshwater)
PNEC (sediment)	0.13 mg/kg sedi. dw (marine water)
PNEC (ground)	0.35 mg/kg soil dw (soil)
CAS: 111-77-3 2-(2-methoxyethoxy)ethanol	
PNEC	10,000 mg/L (Wastewater treatment plant) (sewage treatment plant)
	1.2 mg/L (Seawater) (marine water)
	12 mg/L (Sporadic release) (intermittent release)
	12 mg/L (Freshwater) (freshwater)
PNEC	2.1 mg/Kg (Soil) (soil)
	0.44 mg/Kg (Seawater sediment) (marine water)
	44.4 mg/Kg (Freshwater sediment) (freshwater)
CAS: 26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-diones	
PNEC	10 mg/L (Wastewater treatment plant)
	0.002 mg/L (Seawater)
	0.02 mg/L (Freshwater)
PNEC	0.2 mg/Kg (Soil)
	0.17 mg/Kg (Seawater sediment)
	1.7 mg/Kg (Freshwater sediment)

Additional information: The safety data sheet of the pre-supplier served as the basis for the creation.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Store protective clothing separately.
The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
EN 140 / 136
Filter A (EN 141)
Hand protection

Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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Material of gloves
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.3 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
>480min
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/face protection

Tightly sealed goggles

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	<-50 °C
Boiling point or initial boiling point and boiling range	>260 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH at 20 °C	7–10
Viscosity:	
Kinematic viscosity at 20 °C	15 mm²/s
Dynamic:	Not determined.
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.02–1.09 g/cm³
Relative density	Not determined.
Vapour density	Not determined.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.

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Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.
10.2 Chemical stability Stable under normal use conditions.
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions No dangerous reactions known.
10.4 Conditions to avoid Protect from heat and direct sunlight.
10.5 Incompatible materials: Reacts with oxidizing agents, acids and alkalis
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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.

LD/LC50 values relevant for classification:		
CAS: 30989-05-0 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate		
Oral	LD50 oral	>2,000 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50 dermal	>2,000 mg/kg (Rat) (OECD Guideline 402)
CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol		
Oral	LD50 oral	5,300 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (rabbit)
CAS: 111-77-3 2-(2-methoxyethoxy)ethanol		
Oral	LD50 oral	7,128 mg/kg (Mouse) (OECD Guideline 401)
Dermal	LD50 dermal	9,404 mg/kg (rabbit) (OECD Guideline 402)
Inhalative	LC50	>1.2 mg/L /(6h) (Rat) ((OECD Guideline 403, inhalation:vapour))

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CAS: 26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-diones		
Oral	LD50 oral	2,900 mg/kg (Rat) (OECD Guideline 423)
Inhalative	LC50 Acute inhalation toxicity (dust/mist):	>5.3 mg/l (Rat) (ECHA Dossier) Aerosol

Primary irritant effect:
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 or 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 Suspected of damaging fertility. Suspected of damaging the unborn child.
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.

11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	
CAS: 30989-05-0 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate	
NOEC	>224.4 mg/L /72 h (algae)
EC50	>1,000 mg/l /0,5 h (Bacteria)
LC50	>222.2 mg/L (Oncorhynchus mykiss) (OECD 203)
EC 50	>500 mg/L /(48h) (Daphnia magna) (OECD 202) (statisch)
	>224.4 mg/L /(72h) (Pseudokirchnerella subcapitata) (OECD 201) (statisch)
CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol	
LC50	>2,400 mg/L /(96h) (Fish) (Pimephales promelas) (statisch)
EC 50	>500 mg/L /(48h) (Daphnia magna)
CAS: 111-46-6 2,2'-oxybisethanol	
NOEC	>100 mg/L /(72h) (algae) (OECD 201) (Pseudokirchneriella subcapitata) Read-across to CAS 4792-15-8 (statisch)
	7,500–15,000 mg/L (Daphnia magna) (ASTM Subcommittee E 47.01, Draft No. 1) (21d) Read-across to CAS 112-27-6 (statisch)
	15,380 mg/L /(7d) (Fish) (Pimephales promelas) Read-across to CAS 107-21-1
EC20	>1,995 mg/L /(0,5h) (Bacteria) ((ISO 8192, activated sludge)) (statisch)

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LC50	75,200 mg/L /(96h) (Fish) (dynamisch)
EC 50	>10,000 mg/L /(24h) (Daphnia magna) ((DIN 38412)) nominal (statisch)
CAS: 111-77-3 2-(2-methoxyethoxy)ethanol	
LC50	7,500 mg/L /(96h) (Fish) (Leopomis macrochirus) (statisch)
EC 50	>500 mg/L /(48h) (Daphnia magna)
CAS: 26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-diones	
NOEC	33 mg/L /96 d (algae)
	100 mg/L /3 h (Bacteria)
ErC50	110 mg/l /(96 h) (Pseudokirchnerella subcapitata) (Internal T.R.Wilbury Test Lab Protocol) Akute Algentoxizität, ECHA Dossier
Acute bacteria toxicity	800 mg/l /(3h) (activated sludge,domestic) (OECD Guideline 209) ECHA Dossier
EC50	800 mg/L /3 h (Bacteria)
	>100 mg/L (Daphnia magna)
	110 mg/L /96 h (Pseudokirchnerella subcapitata) (Internal T.R.Wilbury Test Lab Protocol)
EC50	>100 mg/l (Daphnia magna)
LC50	>100 mg/L /96 h (Fish) (OECD 203) Akute Fischtoxizität, (ECHA Dossier)

12.2 Persistence and degradability

CAS: 30989-05-0 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate	
Biological degradation	>70 % /28 d
CAS: 111-46-6 2,2'-oxybisethanol	
Persistence and degradability	90–100 % /(20d) (OECD 301A)
CAS: 26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-diones	
Persistence and degradability	9.9 % /(28d) (OECD Guideline 301 D) Nicht leicht biologisch abbaubar (nach OECD-Kriterien)

12.3 Bioaccumulative potential

CAS: 30989-05-0 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate	
Partition coefficient n-octanol/water	4.37 /-
CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol	
Partition coefficient n-octanol/water	0.51 /25 °C
CAS: 111-46-6 2,2'-oxybisethanol	
Bioaccumulative potential	100 BCF /(3d)
Partition coefficient n-octanol/water	1.98 /-
CAS: 111-77-3 2-(2-methoxyethoxy)ethanol	
Partition coefficient n-octanol/water	0.682 /-
CAS: 26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-diones	
Partition coefficient n-octanol/water	4.39 /22 °C

12.4 Mobility in soil

CAS: 30989-05-0 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate	
Mobility in soil	2.1 log Koc /- (QSAR)

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CAS: 26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-diones	
Mobility in soil	2.92 log Koc

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Must be specially treated adhering to official regulations.

European waste catalogue	
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP4	Irritant - skin irritation and eye damage
HP10	Toxic for reproduction

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number **ADR, IMDG, IATA**	not regulated
14.2 UN proper shipping name **ADR, IMDG, IATA**	not regulated
14.3 Transport hazard class(es) **ADR, ADN, IMDG, IATA** **Class**	not regulated
14.4 Packing group **ADR, IMDG, IATA**	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
UN "Model Regulation":	not regulated

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SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms

GHS08

Signal word Warning

Hazard-determining components of labelling:
Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl]orthoborate
Hazard statements
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 54

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.

National regulations:

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Relevant phrases
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
H413 May cause long lasting harmful effects to aquatic life.

Classification according to Regulation (EC) No 1272/2008	
Reproductive toxicity	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: product management
Version number of previous version: 1.00
Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1A: Skin sensitisation – Category 1A
Repr. 2: Reproductive toxicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
Sources The safety data sheet of the pre-supplier served as the basis for the creation.