

According to Regulation (EU) No 2020/878

IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING **SECTION 1** 

# 1.1. Product identifier

Product name Product code	: SHELL BRAKE AND CLUTCH FLUID DOT-4 ESL : CRX845, LAO21; AT59H; AT60H; 09727129; 30426; 9727	028; 9727052; 9727027
1.2. Relevant identified u	ses of the substance or mixture and uses advised against	
Application	: SU21 Consumer product. PC17 Hydraulic fluids, including	brake and transmission fluids.
1.3. Details of the supplie	er of the safety data sheet	
Supplier	: Kemetyl Accessories (UK) Ltd Office 401, Index House SL5 7ET Ascot, Great Britain	
Telephone	: +44-1344 888909	
E-mail	: msds@kemetyl.com	
Website	: http://www.kemetyl.com	
1.4. Emergency telephon	e number	
EMERGENCY TELEPHON GB - Telephone	NE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only: : +44-1344 888909	(During office hours only)
EMERGENCY TELEPHON National Poisons Informati	NE NUMBER (for DOCTORS only): on Service +44 344 892 0111	(24/7)

#### SECTION 2 **HAZARDS IDENTIFICATION**

### 2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC)	:	Reproductive toxicity, category 2.
Human health hazards		Suspected of damaging the unborn child.
Physical/chemical hazards	:	Not classified as dangerous according to statutory EC-Directives.
Environmental hazards	:	Not classified as dangerous according to statutory EC-Directives.

# 2.2. Label elements

Label elements (1272/2008/EC): Hazard pictograms :



Signal word	: Warning	
H- and P-phrases	: H361d P101 P102 P201 P280 P308+P313 P405 P501	Suspected of damaging the unborn child. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container to an official chemical waste depot.



According to Regulation (EU) No 2020/878

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases: Hazard pictograms



Signal word	: Warning	
H- and P-phrases	: H361d	Suspected of damaging the unborn child.
	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.
	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/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate .

Other information

: According to Regulation (EC) No 1272/2008, the packaging of this product shall carry a tactile warning of danger.

# 2.3. Other hazards

Other information

: Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

#### **SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

# 3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration	CAS nr.	EC number	Remark	REACH nr.
	(w/w) (%)				
Tris[2-[2-(2-methoxyethoxy)ethoxy]eth-	45 - < 50	30989-05-0	250-418-4		01-2119462824-33
yl] orthoborate					
Reaction mass of 2-(2-(2-bu-	15 - < 20		907-996-4		01-2119531322-53
toxyethoxy)ethoxy)ethanol and 3,6,9,12					
-tetraoxahexadecan-1-ol					
2,2'-(Ethylenedioxy)diethanol	1 - < 3	112-27-6	203-953-2	MAC	01-2119438366-35
1,1'-Iminodipropan-2-ol	1 - < 10	110-97-4	203-820-9		01-2119475444-34
2,6-Di-tert-butyl-p-cresol	0,1 - < 0,2	128-37-0	204-881-4		
Substance name	Hazard Class			Dictograms	1

Substance name	Hazard Class	H-phrases	Pictograms	
Tris[2-[2-(2-methoxyethoxy)ethoxy]eth-	Repr. 2	H361d	GHS08	
yl] orthoborate				
Reaction mass of 2-(2-(2-bu-	Eye Dam. 1	H318	GHS05	H318 : C >= 30 %
toxyethoxy)ethoxy)ethanol and 3,6,9,12				H319 : C >= 20 %
-tetraoxahexadecan-1-ol				
2,2'-(Ethylenedioxy)diethanol				
1,1'-Iminodipropan-2-ol	Eye Irrit. 2	H319	GHS07	
2,6-Di-tert-butyl-p-cresol	Aquatic Acute 1;	H400; H410	GHS09	M (acute) = 1
	Aquatic Chronic 1			

Occupational exposure limit(s), if relevant, are listed in section 8.



According to Regulation (EU) No 2020/878

Reference is made to chapter 16 for full text of each relevant H phrase.

### **SECTION 4** FIRST-AID MEASURES

# 4.1. Description of first aid measures

First aid measures Inhalation Skin contact	<ul> <li>Move victim into fresh air. Consult a doctor if victim feels unwell.</li> <li>Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up.</li> </ul>
Eye contact Ingestion	<ul> <li>Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.</li> <li>Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.</li> </ul>

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

Effects and symptoms	
Inhalation	: May cause headache, dizziness and a feeling of sickness.
Skin contact	: May cause dry skin.
Eye contact	: May cause stinging of eyes and redness.
Ingestion	: May cause a feeling of sickness, vomiting and diarrhoea.

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

Note to physicians	: None known.
--------------------	---------------

#### **SECTION 5 FIRE-FIGHTING MEASURES**

### 5.1. Extinguishing media

Extinguishing media	
Suitable	: Carbondioxide (CO2). Foam. Dry chemical. Water fog.
Not suitable	: Use of heavy stream of water may spread fire.

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

Special exposure hazards	:	None known.
Hazardous thermal	:	Carbon monoxide may be evolved if incomplete combustion occurs.
decomposition products		

# 5.3. Advice for firefighters

Special protective : Use adequate respiratory equipment in case of insufficient ventilation.

equipment for fire-fighters

#### **SECTION 6** ACCIDENTAL RELEASE MEASURES

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

Personal precautions	: Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with
	spilled or released material.

# 6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.

Product name	
Date of issue	



According to Regulation (EU) No 2020/878

Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

# 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

## 6.4. Reference to other sections

Reference to other sections : See also section 8.

## SECTION 7 HANDLING AND STORAGE

## 7.1. Precautions for safe handling

Handling

: Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Do not breathe vapour. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage	: Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Keep away from food, drink and animal feedingstuffs.
Recommended packaging Non recommended packaging	<ul><li>Keep only in the original container.</li><li>None known.</li></ul>

# 7.3. Specific end use(s)

Use

: Use only as directed.

# SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure	: Occupational exposure limits have not been established for this product. Derived no-effect levels
limits	(DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have
	not been established for this product.

Workplace exposure limits (mg/m<sup>3</sup>):

Chemical name	Country	TWA 8 hour	STEL 15 min	Comments	Source
		(mg/m3)	(mg/m3)		
2,2'-(Ethylenedioxy)diethanol		1000			MAC: CH, DE, ES
2,6-Di-tert-butyl-p-cresol	GB	10	-	-	

Derived no-effect level (DNEL) for workers:

Chemical name	Route of	DNEL, short-term DN		DNEL, long-ter	NEL, long-term	
	exposure					
		Local effect	Systemic effect	Local effect	Systemic effect	
Tris[2-[2-(2-methoxyethoxy)ethoxy]eth-	Dermal				8,3 mg/kg bw/day	
yl] orthoborate						
	Inhalation	Í			29,1 mg/m3	
Reaction mass of 2-(2-(2-bu-	Inhalation				195 mg/m3	
oxyethoxy)ethoxy)ethanol and 3,6,9,12	2					
-tetraoxahexadecan-1-ol						
	Dermal				208 mg/kg bw/day	
2,2'-(Ethylenedioxy)diethanol	Inhalation	50 mg/m3				



According to Regulation (EU) No 2020/878

# **Kemetyl**

	Dermal		40 mg/kg bw/day
1,1'-Iminodipropan-2-ol	Dermal		5 mg/kg bw/day
	Inhalation		6,4 mg/m3
2,6-Di-tert-butyl-p-cresol	Inhalation		3,5 mg/m3
	Dermal	I	0,5 mg/kg bw/day

# Derived no-effect level (DNEL) for consumers:

Chemical name	Route of	DNEL, short-term		DNEL, long-term	
	exposure			-	
		Local effect	Systemic effect	Local effect	Systemic effect
Tris[2-[2-(2-methoxyethoxy)ethoxy]eth-	Inhalation				7,2 mg/m3
yl] orthoborate					
	Dermal				4,1 mg/kg bw/day
	Oral				4,1 mg/kg bw/day
Reaction mass of 2-(2-(2-bu-	Inhalation				117 mg/m3
toxyethoxy)ethoxy)ethanol and 3,6,9,12	2				
-tetraoxahexadecan-1-ol					
	Dermal				125 mg/kg bw/day
	Oral				12,5 mg/kg bw/day
2,2'-(Ethylenedioxy)diethanol	Inhalation	25 mg/m3			
	Dermal				20 mg/kg bw/day
1,1'-Iminodipropan-2-ol	Dermal				6,3 mg/kg bw/day
	Inhalation				3,9 mg/m3
	Oral				1,3 mg/kg bw/day
2,6-Di-tert-butyl-p-cresol	Inhalation				0,86 mg/m3
	Dermal				0,25 mg/kg bw/day
	Oral				0,25 mg/kg bw/day

# Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Tris[2-[2-(2-	Water	0,2112 mg/l	0,02112 mg/l	
methoxyethoxy)ethoxy]ethyl]				
orthoborate				
	Sediment	0,76 mg/kg	0,076 mg/kg	
	Intermittent water			2,112 mg/l
	STP			100 mg/l
	Soil			0,0283 mg/kg
Reaction mass of 2-(2-(2-	Water	1,8 mg/l	0,18 mg/l	
butoxyethoxy)ethoxy)ethanol and 3	,6,9			
,12-tetraoxahexadecan-1-ol				
	Sediment	6,6 mg/kg	0,66 mg/kg	
	STP			500 mg/l
	Soil			0,41 mg/kg
2,2'-(Ethylenedioxy)diethanol	Water	10 mg/l	1 mg/l	
	Sediment	46 mg/kg	4,6 mg/kg	
	Intermittent water			10 mg/l
	STP			10 mg/l
	Soil			3,32 mg/kg
1,1'-Iminodipropan-2-ol	Water	0,278 mg/l	0,028 mg/l	
	Sediment	2,33 mg/kg	0,233 mg/kg	
	Intermittent water			2,777 mg/l
	STP			15000 mg/l
	Soil			0,303 mg/kg
2,6-Di-tert-butyl-p-cresol	Water	0,000199 mg/l	0,00002 mg/l	
	Sediment	0,0996 mg/kg	0,00996 mg/kg	
	STP			0,17 mg/l



According to Regulation (EU) No 2020/878

Soil		0,04769 mg/kg
Oral		8,33 mg/kg food

# 8.2. Exposure controls

Engineering measures

: Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work. : When using do not eat, drink or smoke.

Hygienic measures

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



Body protection	: Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN
Respiratory protection	365/367 resp. 345. Suitable material: nitril. Indication of permeation breakthrough time: not known. : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale
	exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.
Hand protection	: Wear appropriate safety gloves in accordance with EN 374. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: not known.
Eye protection	: Wear appropriate safety glasses when there is danger of possible eye contact.

#### **SECTION 9** PHYSICAL AND CHEMICAL PROPERTIES

# 9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	
Colour	: Amber.	
Odour	: Characteristic.	
Odour threshold	: Not known.	Not measured. Not relevant.
pH	: 8	
Solubility in water	: Soluble.	
Partition coefficient (n-oc- tanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: 136 °C	Closed Cup (ISO 2719, EN 11, DIN 51758, ASTM D 93).
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 300 °C	
Boiling point/boiling range	: 265 °C	
Melting point/melting range	: Not known.	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,9 (2,2'-(Ethylenedioxy)diethanol)
	:	Upper explosion limit in air (%): 9,2 (2,2'-(Ethylenedioxy)diethanol)
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: 360 °C	
Viscosity (20°C)	: 13 mm2/sec	(1 mm2/sec = 1cSt)
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: 0,27 Pa	
Relative vapour density	: >1	(air = 1)
Relative density (20°C)	: 1,05 g/ml	
Particle characteristics	: Not applicable.	Liquid.



According to Regulation (EU) No 2020/878

# 9.2. Other information

Other information : Not relevant.

# SECTION 10 STABILITY AND REACTIVITY

# 10.1. Reactivity

Reactivity : See sub-sections below.

# 10.2. Chemical stability

Stability : Stable under normal conditions.

# 10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

## 10.4. Conditions to avoid

Conditions to avoid : See section 7.

# 10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

# 10.6. Hazardous decomposition products

Hazardous decomposition : Not known. products

# SECTION 11 TOXICOLOGICAL INFORMATION

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

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity	<ul> <li>Calculated LC50: no data mg/l. Ingredients of unknown toxicity: 63 %. ATE: &gt; 5 mg/l. Not classified</li> <li>based on available data, the classification criteria are not met. May cause headache, dizziness and a feeling of sickness.</li> </ul>
Corrosion/irritation	: Not classified - based on available data, the classification criteria are not met.
Sensitisation	: Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
Carcinogenicity	: Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met. Does not contain carcinogenic substances.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Skin contact	
Acute toxicity	: Calculated LD50: > 4166 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
Corrosion/irritation	: Prolonged contact may dry out and defat the skin. Not classified - based on available data, the classification criteria are not met.
Sensitisation	: Does not contain skin sensitisers. Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Eye contact	



According to Regulation (EU) No 2020/878

Corrosion/irritation	: Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
Ingestion	
Acute toxicity	: Calculated LD50: > 3051 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
Aspiration	: Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.
Corrosion/irritation	: May cause a feeling of sickness, vomiting and diarrhoea.
Carcinogenicity	: Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Reprotoxicity	: Possible risk of harm to the unborn child. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

# Toxicological information:

Chemical name	Property		Method	Test animal
Tris[2-[2-(2-	LD50 (oral)	> 2000 mg/kg bw	OECD 401	Rat
methoxyethoxy)ethoxy]ethyl]				
orthoborate				
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	Skin irritation	Non-irritant	OECD 404	Rabbit
	Eye irritation	Non-irritant	OECD 405	Rabbit
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	NOAEL (oral)	> 170 mg/kg bw/d	OECD 407	Rat
	Genotoxicity - in vitro	Not genotoxic	OECD 473	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (development,	250 mg/kg bw/d	OECD 414	Rat
	oral)			

# 11.2. Information on other hazards

Endocrine disrupting	:	Not applicable.
properties		
Other information	:	Not applicable.

### **SECTION 12 ECOLOGICAL INFORMATION**

# 12.1. Toxicity

Ecotoxicity

No ecotoxicological research has been carried out on this product.

: Calculated LC50 (fish): 449 mg/l. Calculated EC50 (waterflea): 428 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

# 12.2. Persistence and degradability

Persistence - degradability : No specific information known.

# 12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

# 12.4. Mobility in soil

### Mobility

: If product enters soil, it will be highly mobile and may contaminate groundwater.



According to Regulation (EU) No 2020/878

# 12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

## 12.6. Endocrine disrupting properties

Endocrine disrupting : Not applicable. properties

# 12.7. Other adverse effects

Other adverse effects : Not applicable.

#### **SECTION 13 DISPOSAL CONSIDERATIONS**

# 13.1. Waste treatment methods

Product residues	: Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.
Additional warning	: None.
Waste water discharge	: Do not dispose of into the environment, drains, sewers or water courses.
European waste catalogue	: Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
Local legislation	: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

#### **SECTION 14 TRANSPORT INFORMATION**

### 14.1. UN number or ID number

UN nr. : None.

# 14.2. UN proper shipping name

Transport name : Not regulated.

# 14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway	/inland waterways)	
Class	: This product is not classified according to ADR/RID/ADN.	
IMDG (sea)		
Class	: This product is not classified according to IMDG.	
Marine pollutant	: No	
IATA (air)		
Class	: This product is not classified according to IATA.	
14.6. Special precautions for user		

Other information : Country specific variations may apply.

# 14.7. Maritime transport in bulk according to IMO instruments

- Marpol
- : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

#### **SECTION 15 REGULATORY INFORMATION**



According to Regulation (EU) No 2020/878

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).

### 15.2. Chemical safety assessment

Chemical safety	: Not applicable.
assessment	

## SECTION 16 OTHER INFORMATION

### 16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (\*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

	ionyms that could be (but not necessarily are) used in this safety data sheet.
ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant
SU	: Sector of Use
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
UFI	: Unique formula identifier
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Repr. 2 : Calculation method.



According to Regulation (EU) No 2020/878

Full text of hazard classes mentioned in section 3:

Eye Dam. 1 Eye Irrit. 2 Repr. 2	<ul> <li>Serious eye damage, category 1.</li> <li>Eye irritation, category 2.</li> <li>Reproductive toxicity, category 2.</li> </ul>	
Full text of H-phrases menti		
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H361d	Suspected of damaging the unborn child.	
Advice on any training appropriate for workers: none.		

Number format : "," used as decimal separator.

End of safety data sheet.

Print date : 2023-07-07