

according to Regulation (EC) No 1907/2006 (REACH) as amended

TYRE REFRESH

Creation date 02nd January 2024

Revision date Version 1.0

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

I.1. Product identifier TYRE REFRESH

Substance / mixture mixture

Number 1 35850 - 1L, 1 35851 - 5L UFI KXMN-U4Q4-D81D-KM53

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

Mixture's intended useProfessional tyre revitaliser.

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name RETECH, s.r.o.

Address Vackova 1541/4, Praha 5 - Stodůlky, 155 00

Czech Republic

Identification number (CRN)25018205VAT Reg NoCZ25018205Phone+420327596428E-mailinfo@retech.czWeb addresswww.retech.com

Competent person responsible for the safety data sheet

Name RETECH, s.r.o. E-mail info@retech.cz

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Sens. 1A, H317 Aquatic Chronic 3, H412

Most serious adverse effects on human health and the environment

May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram



Signal word

Warning

Hazardous substances

2-methylisothiazol-3(2H)-one

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing vapours.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.



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P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 014-018-00-1 CAS: 556-67-2 EC: 209-136-7	octamethylcyclotetrasiloxane	<0,1	Flam. Liq. 3, H226 Repr. 2 (***), H361f Aquatic Chronic 1, H410 (M=10)	2, 3, 4
Index: 613-326-00-9 CAS: 2682-20-4 EC: 220-239-6	2-methylisothiazol-3(2H)-one	≥0,0015	Acute Tox. 3, H301+H311 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH071 Specific concentration limit: Skin Sens. 1A, H317: C ≥ 0.0015 %	
Index: 613-167-00-5 CAS: 55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	<0,0015	Acute Tox. 3, H301 Acute Tox. 2, H310+H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 Specific concentration limit: Eye Irrit. 2, H319: $0.06 \% \le C < 0.6 \%$ Skin Sens. 1A, H317: $C \ge 0.0015 \%$ Skin Irrit. 2, H315: $0.06 \% \le C < 0.6 \%$ Skin Corr. 1C, H314: $C \ge 0.6 \%$ Eye Dam. 1, H318: $C \ge 0.6 \%$	

Notes

- *** reproductive toxicity: supplementary letters specify whether fetal harm (d) or fertility harm (f) may occur
- Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- 2 Substance of very high concern SVHC.
- 3 Persistent, bioaccumulative and toxic or very persistent and very bioaccumulative
- 4 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.



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SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eves

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

DO NOT INDUCE VOMITING - even the inducted vomiting can cause complications as in case of detergents and other foaming substances.

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

If inhaled

Not expected.

If on skin

May cause an allergic skin reaction.

If in eyes

Not expected.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water.

6.4. Reference to other sections

See the Section 7, 8 and 13.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Content	Packaging type	Material of package
1	bottle	HDPE
5	ierry can	

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

DNEL

octamethylcycl	octamethylcyclotetrasiloxane					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source	
Workers	Inhalation	73 mg/m ³	Chronic effects systemic			
Workers	Inhalation	73 mg/m ³	Chronic effects local			
Consumers	Inhalation	13 mg/m ³	Chronic effects systemic			
Consumers	Oral	3.7 mg/kg bw/day	Chronic effects systemic			
Consumers	Inhalation	13 mg/m ³	Chronic effects local			

PNEC

octamethylcyclotetrasiloxane					
Route of exposure	Value	Value determination	Source		
Freshwater environment	0.0015 mg/l				
Marine water	0.00015 mg/l				
Freshwater sediment	3 mg/kg				
Sea sediments	0.3 mg/kg				
Soil (agricultural)	0.54 mg/kg				
Microorganisms in sewage treatment	10 mg/l				
Food chain	41 mg/kg of food				

8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.



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Respiratory protection

It is not needed.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid Colour white

Odour characteristic
Melting point/freezing point data not available

Boiling point or initial boiling point and boiling range >100 °C

Flammability data not available
Lower and upper explosion limit data not available
Flash point data not available
Auto-ignition temperature data not available
Decomposition temperature data not available

pH 6.5-7.5 (undiluted at 20 °C)

Kinematic viscosity data not available

Solubility in water soluble

Partition coefficient n-octanol/water (log value) data not available Vapour pressure data not available

Density and/or relative density

Density 1 g/cm³

Relative vapour density data not available Particle characteristics data not available

Form liquid

9.2. Other information

Explosive properties The product does not have explosive properties.

Oxidising properties The product has no oxidizing properties.

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.



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Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		36830 mg/kg				Calculation of value
Dermal	ATE		3954000 mg/kg				Calculation of value
Inhalation (vapor)	ATE		14120 mg/l				Calculation of value

2-methylisothi	2-methylisothiazol-3(2H)-one							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	
Oral	LD50	OECD 401	183 mg/kg		Rat	F		
Oral	LD50	OECD 401	235 mg/kg		Rat	М		
Dermal	LD50	OECD 402	242 mg/kg		Rat			

octamethylcyclotetrasiloxane							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD50		>4800 mg/kg		Rat	М	
Dermal	LD50		>2400 mg/kg		Rat	F/M	
Inhalation	LC50	OECD 403	36 mg/l	4 hours	Rat	F/M	

reaction mass	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD50		64-66 mg/kg		Rat		
Dermal	LD50		141 mg/kg		Rat		
Dermal	LD50		92.4 mg/kg		Rabbit		

Skin corrosion/irritation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothiazol-3(2H)-one					
Route of exposure	Result	Exposure time	Species		
Skin	Skin burns				

octamethylcyclotetrasiloxane					
Route of exposure	Result	Exposure time	Species		
Skin	Not irritating				

Serious eye damage/irritation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothiazol-3(2H)-one					
Route of exposure	Result	Exposure time	Species		
Eye	Irreversible damage, Serious eye damage				



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octamethylcyclotetrasiloxane					
Route of exposure	Result	Exposure time	Species		
Eye	Not irritating				

Respiratory or skin sensitisation

May cause an allergic skin reaction.

2-methylisothiazol-3(2H)-one								
Route of exposure Result Exposure time Species Sex								
Skin Sensitizing Guinea-pig								

octamethylcyclotetrasiloxane								
Route of exposure	Route of exposure Result Exposure time Species Sex							
Skin	Not sensitizing		Guinea-pig					

Germ cell mutagenicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothiazol-3(2H)-one									
Result	Method	Exposure time	Specific target organ	Species	Sex				
Negative									

octamethylcyclotetrasiloxane										
Result	Method	Exposure time	Specific target organ	Species	Sex					
Negative	in vitro									
Negative				Mammals						

Carcinogenicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothiazol-3(2H)-one								
Route of exposure	Parameter	Value	Result	Species	Sex	Value determination		
			Not carcinogenic	Mammals				

octamethylcycle	octamethylcyclotetrasiloxane									
Route of exposure	Parameter	Value	Result	Species	Sex	Value determination				
Inhalation (vapor)			Tumor formation	Rat		Experimentally				

Reproductive toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothiazol-3(2H)-one									
Effect	Parameter	Value	Result	Species	Sex				
Developmental toxicity			No effect	Mammals					
Effects on fertility			No effect	Mammals					



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octamethylcyclote	octamethylcyclotetrasiloxane									
Effect	Parameter	Value	Result	Species	Sex					
Developmental toxicity			No effect	Mammals						
Effects on fertility			Toxic for reproduction, Effects on fertility	Mammals						

Toxicity for specific target organ - single exposure

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothiazol-3(2H)-one								
Route of exposure	Parameter	Value	Specific target organ	Result	Species	Sex		
Inhalation			Nasal mucosa	Irritating, Corrosive				
octamethylcy	clotetrasiloxane							
Route of exposure	Parameter	Value	Specific target organ	Result	Species	Sex		
				No effect				

Toxicity for specific target organ - repeated exposure

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothia	2-methylisothiazol-3(2H)-one									
Route of exposure	Parameter	Value	Specific target organ	Result	Species	Sex				
				No effect						
octamethylcycl	octamethylcyclotetrasiloxane									

octamethylcycl	octamethylcyclotetrasiloxane									
Route of exposure	Parameter	Value	Specific target organ	Result	Species	Sex				
			Kidney	Causes damage	Mammals					
			Liver	Causes damage	Mammals					
			Lungs	Causes damage	Mammals					
			Female reproductive organs	Causes damage	Mammals					

Aspiration hazard

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methylisothiazol-3(2H)-one								
Route of exposure	Result	Exposure time	Species	Sex				
Inhalation	Causes damage, Corrosive							

octamethylcyclotetrasiloxane					
Route of exposure	Result	Exposure time	Species	Sex	
Inhalation	Total effects				



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11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity

2-methyliso	2-methylisothiazol-3(2H)-one						
Parameter	Method	Value	Exposure time	Species	Environme nt	Value determination	
LC50	OECD 203	4.77 mg/l	96 hours	Fish (Oncorhynchus mykiss)			
LC ₅₀		0.93-1.9 mg/l	48 hours	Daphnia (Daphnia magna)			
ErC50		0.0695 mg/l	24 hours	Algae (Skeletonema costatum)		Static system, Indicator of growth	
EC ₁₀		0.024 mg/l	24 hours	Algae (Skeletonema costatum)		Static system, Indicator of growth	

octamethylo	yclotetrasilox	ane				
Parameter	Method	Value	Exposure time	Species	Environme nt	Value determination
LC50		>0.022 mg/l	96 hours	Fish (Oncorhynchus mykiss)		Flow-through system
LC50		>0.0063 mg/l	14 days	Fish (Cyprinodon variegatus)		Flow-through system
EC50		>0.0091 mg/l	96 hours	Invertebrates (Mysidopsis bahia)		Continuous system
EC50		>0.015 mg/l	48 hours	Invertebrates (Daphnia magna)		Continuous system
ErC50		>0.022 mg/l	96 hours	Algae (Pseudokirchnerie Ila subcapitata)		Indicator of growth
EC10		>0.022 mg/l	96 hours	Algae (Pseudokirchnerie Ila subcapitata)		Indicator of growth

reaction ma	eaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)							
Parameter	Method	Value	Exposure time	Species	Environme nt	Value determination		
LC50		0.19 mg/l	96 hours	Fish (Oncorhynchus mykiss)				
EC50		0.16 mg/l	48 hours	Daphnia (Daphnia magna)				
ErC50		0.0049 mg/l	120 hours	Algae (Skeletonema costatum)				



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Chronic toxicity

2-methylisothia	2-methylisothiazol-3(2H)-one						
Parameter	Value	Exposure time	Species	Environment	Value determination		
NOEC	2.1 mg/l	33 days	Fish (Pimephales promelas)				
NOEC	0.04 mg/l	21 days	Aquatic invertebrates (Daphnia magna)				

octamethylcyclo	octamethylcyclotetrasiloxane							
Parameter	Value	Exposure time	Species	Environment	Value determination			
NOEC	≥0.0044 mg/l	93 days	Fish (Oncorhynchus mykiss)		Indicator of growth			
NOEC	0.0079 mg/l	21 days	Daphnia (Daphnia magna)		Survival			

12.2. Persistence and degradability

Data for the mixture are not available. The mixture is biodegradable.

Biodegradability

2-methylisothiazol-3(2H)-one						
Parameter	Method	Value	Exposure time	Environment	Result	Source
		98 %	48 days		Easily biodegradable	

octamethylo	cyclotetrasiloxaı	1е				
Parameter	Method	Value	Exposure time	Environment	Result	Source
	OECD 310	3.7 %	28 days		Hardly biodegradable	
DT 50			3,9 days	Fresh water		OECD 111; pH 7; 25 °C
DT 50			16,7 days	Fresh water		OECD 111; pH 7; 12 °C
DT 50			0,075 days	Fresh water		OECD 111; pH 4; 25 °C

12.3. Bioaccumulative potential

Data for the mixture are not available.

2-methylisothiazol-3(2H)-one						
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	
Log Pow	-0.75					
BCF	<100					

octamethylcyclotetrasiloxane							
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]		
BCF	12400 mg/kg		Pimephales promelas				
Log Pow	6.49						

12.4. Mobility in soil



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Data for the mixture are not available.

octamethylcyclotetrasiloxane					
Parameter	Method	Value	Environment	Temperature	
Koc	OECD 106	16596			

12.5. Results of PBT and vPvB assessment

Mixture does contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).



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Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

octamethylcyclotetrasiloxane

Restriction	Conditions of restriction
70	1. Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. 2. For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.

Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended

<5 % non-ionic surfactants, Methylchloroisothiazolinone (and) methylisothiazolinone

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H226	Flammable liquid and vapour.	
H301	Toxic if swallowed.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H330	Fatal if inhaled.	
H361f	Suspected of damaging fertility.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
H310+H330	Fatal in contact with skin or if inhaled.	
H301+H311	Toxic if swallowed or in contact with skin.	
Cuidalinas for safe handling used in the safety data short		

Guidelines for safe handling used in the safety data sheet

P261	Avoid breathing vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

A list of additional standard phrases used in the safety data sheet

EUH071 Corrosive to the respiratory tract.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DT50	disappearance time for 50%
EC	Identification code for each substance listed in EINECS
EC10	Concentration of a substance when it is affected 10% of the population
EC50	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union



according to Regulation (EC) No 1907/2006 (REACH) as amended

TYRE REFRESH

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EuPCS European Product Categorisation System IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying

Dangerous Chemicals

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization

INCI International Nomenclature of Cosmetic Ingredients
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry

LC50 Lethal concentration of a substance in which it can be expected death of 50% of the

population

LD50 Lethal dose of a substance in which it can be expected death of 50% of the

population

log KowOctanol-water partition coefficientNOECNo observed effect concentrationOELOccupational Exposure Limits

PBT Persistent, Bioaccumulative and Toxic

ppm Parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Agreement on the transport of dangerous goods by rail

UN Four-figure identification number of the substance or article taken from the UN

Model Regulations

UVCB Substances of unknown or variable composition, complex reaction products or

biological materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bioaccumulative

Acute Tox. Acute toxicity

Aquatic Acute Hazardous to the aquatic environment

Aquatic Chronic Hazardous to the aquatic environment (chronic)

Eye Dam. Serious eye damage
Flam. Liq. Flammable liquid
Repr. Reproductive toxicity
Skin Corr. Skin corrosion
Skin Sens. Skin sensitization

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.