SAFETY DATA SHEET

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

PERFECT PLASTIC SHINE

Creation date	19th January 2024
Revision date	Version 1.0

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

1.1. Product identifier PERFECT PLASTIC SHINE

Substance / mixture	mixture
Number	1 35870 - 1L/1 35871 - 5L/1 35872 - 25L
UFI	FN5U-4452-Y815-KCM4

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

Mixture's intended use

Exterior plastic revitaliser. For professional use only.

Main intended use

PC-CLN-17.2 Exterior care products - all vehicle types

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)	25018205
VAT Reg No	CZ25018205
Phone	+420327596428
E-mail	info@retech.cz
Web address	www.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

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

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.
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 not 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
CAS: 56-81-5 EC: 200-289-5 Registration number: 01-2119471987-18	glycerol	5-<10	not classified as dangerous	
CAS: 68439-50-9 EC: 932-106-6	Alcohols, C12-14, ethoxylated	1-<5	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C > 10 % Eye Irrit. 2, H319: 3 % < C < 10 %	
CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43	ethanol	<0,1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	
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)	≤0,0025	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 % ≤ C < 0.6 % Skin Sens. 1A, H317: C ≥ 0.0015 % Skin Irrit. 2, H315: 0.06 % ≤ C < 0.6 % Skin Corr. 1C, H314: C ≥ 0.6 % Eye Dam. 1, H318: C ≥ 0.6 %	1

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
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 %	

Notes

1 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.

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

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 eyes

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. 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 l	bottle	HDPE
5 l	jerry can	HDPE
25 l	jerry can	HDPE

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

DNEL

ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1900 mg/m³	Acute effects local		
Workers	Dermal	343 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	960 mg/m³	Chronic effects systemic		
Consumers	Inhalation	960 mg/m³	Acute effects local		
Consumers	Dermal	206 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	114 mg/m³	Chronic effects systemic		

ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	87 mg/kg bw/day	Chronic effects systemic		

PNEC

ethanol			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.96 mg/l		
Marine water	0.79 mg/l		
Water (intermittent release)	2.75 mg/l		
Microorganisms in sewage treatment	580 mg/l		
Freshwater sediment	3.6 mg/kg of dry substance		
Sea sediments	2.9 mg/kg of dry substance		
Soil (agricultural)	0.63 mg/kg of dry substance		
Food chain	720 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.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

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	6-7 (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	1.02 g/cm³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

not available

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

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

PERFECT PLASTIC SHINE							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		30490 mg/kg				Calculation of value
Dermal	ATE		3275000 mg/kg				Calculation of value
Inhalation (vapor)	ATE		15120 mg/l				Calculation of value

2-methylisothiazol-3(2H)-one							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}	OECD 401	183 mg/kg		Rat	F	
Oral	LD_{50}	OECD 401	235 mg/kg		Rat	M	
Dermal	LD_{50}	OECD 402	242 mg/kg		Rat		

Alcohols, C12-14, ethoxylated							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}		<2000 mg/kg		Rat		
Dermal	LD_{50}		>2000 mg/kg		Rabbit		

ethanol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}	OECD 401	10470 mg/kg		Rat		Literary studies
Inhalation (vapor)	LC_{50}	OECD 403	116.9 mg/l	4 hours	Rat	M	Literary studies

glycerol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}		12600 mg/kg		Rat		
Dermal	LD_{50}		10000 mg/kg		Rabbit		

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	LD_{50}		64-66 mg/kg		Rat		
Dermal	LD_{50}		141 mg/kg		Rat		
Dermal	LD_{50}		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	Method	Exposure time	Species	Value determination
Skin	Skin burns				

ethanol					
Route of exposure	Result	Method	Exposure time	Species	Value determination
Skin	Not irritating	OECD 404		Rabbit	Literary studies

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	Method	Exposure time	Species	Value determination
Eye	Irreversible damage, Serious eye damage				

Alcohols, C12-14, ethoxylated					
Route of exposure	Result	Method	Exposure time	Species	Value determination
Eye	Serious eye damage				

ethanol					
Route of exposure	Result	Method	Exposure time	Species	Value determination
Eye	Irritating	OECD 405		Rabbit	Literary studies

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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

ethanol						
Route of exposure	Result	Method	Exposure time	Species	Sex	Value determination
Skin	Not sensitizing	OECD 429		Mouse		Literary studies

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	Value determination
Negative						

ethanol						
Result	Method	Exposure time	Specific target organ	Species	Sex	Value determination
Negative	OECD 471			Bacteria (Salmonella typhimurium)		Literary studies

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
			Not carcinogenic	Mammals	

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	

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		

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

Alcohols, C12-14, ethoxylated							
Route of exposure	Parameter	Value	Exposure time	Specific target organ	Result	Species	Sex
Oral	NOAEL	50 mg/kg bw/day	2 years	Heart	Organ weight, Reduced body weight	Rat	
Oral	NOAEL	50 mg/kg bw/day	2 years	Liver	Organ weight, Reduced body weight	Rat	
Oral	NOAEL	50 mg/kg bw/day	2 years	Kidney	Organ weight, Reduced body weight	Rat	

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			

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-methylisothiazol-3(2H)-one						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC_{50}	OECD 203	4.77 mg/l	96 hours	Fish (Oncorhynchus mykiss)		
LC_{50}		0.93-1.9 mg/l	48 hours	Daphnia (Daphnia magna)		

2-methylisothiazol-3(2H)-one						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
ErC_{50}		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

Alcohols, C12-14, ethoxylated						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC_{50}		<1 mg/l		Fish (Cyprinus carpio)		
LC_{50}		<1 mg/l		Daphnia (Daphnia magna)		
LC_{50}		0.1-1.0 mg/l		Algae (Chlorella)		

ethanol						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC_{50}		14200 mg/l	96 hours	Fish (Pimephales promelas)		Literary studies, Continuous system
EC_{50}		5012 mg/l	48 hours	Daphnia (Ceriodaphnia dubia)		Literary studies, Static system
ErC_{50}	OECD 201	275 mg/l	72 hours	Algae (Chlorella vulgaris)		Literary studies

glycerol						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC_{50}		>5000 mg/l	24 hours	Fish (Carassius auratus)		
LC_{50}		>10000 mg/l	96 hours	Fish (Leuciscus idus)		
EC_{50}		>10000 mg/l	24 hours	Daphnia (Daphnia magna)		
EC_{50}		>10000 mg/l	16 hours	Microorganisms (Pseudomonas putida)		

reaction 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	Environment	Value determination
LC_{50}		0.19 mg/l	96 hours	Fish (Oncorhynchus mykiss)		
EC_{50}		0.16 mg/l	48 hours	Daphnia (Daphnia magna)		
ErC_{50}		0.0049 mg/l	120 hours	Algae (Skeletonema costatum)		

Chronic toxicity

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)		

ethanol					
Parameter	Value	Exposure time	Species	Environment	Value determination
NOEC	9.6 mg/l	9 days	Daphnia (Daphnia magna)		Literary studies, Semi static system

12.2. Persistence and degradability

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

Biodegradability

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

Alcohols, C12-14, ethoxylated					
Parameter	Value	Exposure time	Environment	Value determination	Result
	>60 %	28 days			

ethanol					
Parameter	Value	Exposure time	Environment	Value determination	Result
		28 days		Literary studies	Easily biodegradable
BSK	1.5 mg			Calculation of value	

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				

12.4. Mobility in soil

Data for the mixture are not available.

Alcohols, C12-14, ethoxylated				
Parameter	Value	Environment	Temperature	Result
Koc	>5000			

ethanol				
Parameter	Value	Environment	Temperature	Result
				High

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the 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).

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

not available

SECTION 16: Other information

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

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful 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.
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.

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
BOD	Biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{10}	Concentration of a substance when it is affected 10% of the population
EC_{50}	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
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
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient

NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational 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
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.