

**MULTIFUNCTIONAL FILLER**

Creation date 15. February 2019  
Revision date Version 1.1

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

- 1.1. Product identifier** MULTIFUNCTIONAL FILLER  
Substance / mixture mixture  
Number 1 35123
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Mixture's intended use Polyester putty.  
Mixture uses advised against not available
- 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  
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**  
RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic; Telephone number: +420 327 596 128 (7.30-16.00 hour)  
Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

**SECTION 2: Hazards identification****2.1. Substance or mixture classification****Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
STOT RE 1, H372  
Aquatic Chronic 3, H412

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

**Most serious adverse physico-chemical effects**

Flammable liquid and vapour.

**Most serious adverse effects on human health and the environment**

Causes skin irritation. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Hazard pictogram****Signal word**

Danger

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**Hazardous substances**

styrene

**Hazard statements**

 H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H372 Causes damage to organs through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 Do not breathe vapours.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314 Get medical advice/attention if you feel unwell.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container to in accordance with national regulations.

**2.3. Other hazards**

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 of substances and additives specified below.

**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: 601-026-00-0 CAS: 100-42-5 EC: 202-851-5 Registration number: 01-2119457861-32	styrene	12,5-25	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 1, H372	1
Index: 030-011-00-6 CAS: 7779-90-0 EC: 231-944-3 Registration number: 01-2119485044-40-0000	trizinc bis(orthophosphate)	1-5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
Index: 030-013-00-7 CAS: 1314-13-2 EC: 215-222-5 Registration number: 01-2119463881-32	zinc oxide	<1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	1

**Notes**

1 Substance for which exposure limits of Community for working environment exist.

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**

Symptoms of poisoning may manifest after many hours, medical supervision is necessary for 48 hours after the accident. Remove contaminated clothes. Terminate the exposure immediately; move the affected person to fresh air.

**Inhalation**

Terminate the exposure immediately; move the affected person to fresh air. Provide medical treatment if irritation, dyspnoea or other symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

**Skin contact**

Immediately wash with water and soap and rinse thoroughly. Provide medical treatment if skin irritation persists.

**Eye contact**

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. Provide medical treatment, specialized if possible.

**Ingestion**

DO NOT INDUCE VOMITING! Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment.

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

Breathing problems, dizziness, headaches, nausea.

**Skin contact**

Causes skin irritation.

**Eye contact**

Causes serious eye irritation.

**Ingestion**

Nausea.

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

If swallowed, gastric irrigation with added, activated carbon.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, sand, powder.

**Unsuitable extinguishing media**

Water. 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.

**5.3. Advice for firefighters**

Do not breathe smoke. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water. Dispose of contaminated extinguishing water and remains after the fire in accordance with the official regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment for work. Keep unprotected persons away. Provide sufficient ventilation. Flammable liquid and vapour. Remove all ignition sources. In case of inadequate ventilation wear respiratory protection.

**6.2. Environmental precautions**

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

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- 6.3. Methods and material for containment and cleaning up**  
Provide sufficient ventilation. Place the product mechanically in an appropriate manner. Do not flush with water or aqueous cleansing agents. Proceed in accordance with valid regulations on waste disposal.
- 6.4. Reference to other sections**  
See the Section 7, 8 and 13.

**SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Keep container tightly closed. Store in tightly closed containers in a cool, dry place intended for this purpose. Keep away from sources of heating, ignition and direct sunlight. Use only outdoors or in a well-ventilated area. No smoking. Take precautionary measures against static discharge.
- 7.2. Conditions for safe storage, including any incompatibilities**  
Keep only in original container. Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Keep container tightly closed. Do not store together with food, drink and animal feed. Protect against strong acids, bases and oxidizing agents.
- 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.

**United Kingdom of Great Britain and Northern Ireland**

Substance name (component)	Type	Time of exposure	Value	Note	Source
styrene (CAS: 100-42-5)	WEL	8 hours	430 mg/m <sup>3</sup>		GBR
	WEL	15 minutes	1080 mg/m <sup>3</sup>		
	WEL	8 hours	100 ppm		
	WEL	15 minutes	250 ppm		
zinc oxide (CAS: 1314-13-2)	WEL	8 hours	5 mg/m <sup>3</sup>	Respirable dust, Fume	Gestis
	WEL	Short-term	10 mg/m <sup>3</sup>	Respirable dust, Fume	

**DNEL**

styrene

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	85 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	289 mg/m <sup>3</sup>	Systemic acute effects	
Workers	Inhalation	306 mg/m <sup>3</sup>	Local acute effects	
Workers	Dermal	406 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	10.2 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	174.25 mg/m <sup>3</sup>	Systemic acute effects	
Consumers	Inhalation	182.75 mg/m <sup>3</sup>	Local acute effects	
Consumers	Dermal	343 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	2.1 mg/kg bw/day	Systemic chronic effects	

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**PNEC**

styrene

Route of exposure	Value	Determining method
Freshwater environment	0.028 mg/l	
Water (occasional leak)	0.04 mg/l	
Seawater	0.014 mg/l	
Microorganisms in wastewater treatment plants	5 mg/l	
Freshwater sediment	0.614 mg/kg of dry substance of sediment	
Sea sediments	0.307 mg/kg of dry substance of sediment	
Sea sediments	0.2 mg/kg of dry substance of soil	

**8.2. Exposure controls**

Follow the usual measures intended for health protection at work and especially for good ventilation. Do not eat, drink and smoke during work. Remove contaminated clothes. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Use barrier creams for skin protection. Do not inhale gases and vapours. Do not inhale aerosols.

**Eye/face protection**

Tightly sealed goggles.

**Skin protection**

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Material of gloves: Fluororubber. Not suitable are gloves made of the following materials: leather gloves, strong material gloves. Chloroprene rubber. Penetration time of glove material: ≤ 480 min. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other protection: protective workwear. Contaminated skin should be washed thoroughly.

**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. Filter A/P2.

**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**

Appearance	paste
Physical state	liquid at 20°C
color	grey
Odour	characteristic
Odour threshold	data not available
pH	data not available
Melting point/freezing point	data not available
Initial boiling point and boiling range	145 °C
Flash point	31 °C
Evaporation rate	data not available
Flammability (solid, gas)	Flammable liquid and vapour.
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	

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bottom		1.2 %	
upper		8.9 %	
Vapour pressure		6 hPa at 20 °C	
Vapour density		data not available	
Relative density		data not available	
Solubility(ies)			
solubility in water		almost insoluble	
solubility in fats		data not available	
Partition coefficient: n-octanol/water		data not available	
Auto-ignition temperature		data not available	
Decomposition temperature		data not available	
Viscosity		viscous	
Explosive properties		The product does not have explosive properties but can be explosive when blended with air.	
Oxidising properties		data not available	
<b>9.2. Other information</b>			
Density		1.92 g/cm <sup>3</sup> at 20 °C	
ignition temperature		480 °C	
content of organic solvents (VOC)		14.0 %	
solid content (dry matter)		42.0 % volume	
Product is not selfigniting.			

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

The product is stable and no degradation occurs under normal use.

**10.2. Chemical stability**

not available

**10.3. Possibility of hazardous reactions**

Exothermic polymerization. Reacts with strong oxidizing agents. Reacts with acids. Reacts with alkalis.

**10.4. Conditions to avoid**

not available

**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. Phosphorus compounds.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

No toxicological data is available for the mixture.

**Acute toxicity**

Based on available data the classification criteria are not met.

styrene

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>		5000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	OECD 402	>2000 mg/kg		Rat	
Inhalation	LC <sub>50</sub>		11.8 mg/l	4 hour	Rat	
Inhalation	LC <sub>50</sub>		9.5 mg/m <sup>3</sup>	4 hour	Mouse	

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trizinc bis(orthophosphate)

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>		>5000 mg/kg		Rat	

zinc oxide

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>		7950 mg/kg		Mouse	
Oral	LD <sub>50</sub>		>6000 mg/kg		Rat	

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**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**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - single exposure**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

Based on available data the classification criteria are not met.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Acute toxicity**

Harmful to aquatic life with long lasting effects.

styrene

Parameter	Method	Value	Time of exposure	Species	Environment	Source
EC 10	EPA OTS 797.1050	0.28 mg/l		Algae (Pseudokirchneriella subcapitata)		
EC 10	EPA OTS 797.1050	72 mg/l	16 hour	Microorganisms (Pseudomonas putida)		
EC 20	OECD 209	140 mg/l	0,5 hour	BES		

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Parameter	Method	Value	Time of exposure	Species	Environment	Source
EC <sub>50</sub>		500 mg/l		BES		ISO 8192-1986 E
EC <sub>50</sub>		5.5 mg/l		Bacteria (Salmonella typhimurium)		
EC <sub>50</sub>		>72 mg/l	16 hour	Bacteria (Pseudomonas putida)		
EC <sub>50</sub>		0.56 mg/l	48 hour	Algae		
EC <sub>50</sub>		4.7 mg/l	48 hour	Invertebrates (Daphnia magna)		
EC <sub>50</sub>		0.46-4.3 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)		
EC <sub>50</sub>		>1-<10 mg/l	72 hour	Algae		
EC <sub>50</sub>		>200 mg/l	8 day	Algae (Scenedesmus quadricauda)		
EC <sub>50</sub>		0.15-3.2 mg/l	96 hour	Algae (Pseudokirchneriella subcapitata)		
IC <sub>50</sub>		>200 mg/l	8 day	Algae (Scenedesmus quadricauda)		
IC <sub>50</sub>		4.9 mg/l	72 hour	Algae		
IC <sub>50</sub>		1.4 mg/l	72 hour	Algae (Selenastrum capricornutum)		
LC <sub>50</sub>		4.9 mg/l	72 hour	Algae		
LC <sub>50</sub>		>1-<10 mg/l	96 hour	Fishes		
LC <sub>50</sub>		25 mg/l	96 hour	Lem		
LC <sub>50</sub>		32 mg/l	96 hour	Fishes (Pimephales promelas)		
LC <sub>50</sub>		4.02 mg/l	96 hour	Fishes (Pimephales promelas)		
LC <sub>50</sub>		58.75-95.32 mg/l	96 hour	Fishes (Poecilia reticulata)		

trizinc bis(orthophosphate)

Parameter	Method	Value	Time of exposure	Species	Environment	Source
EC <sub>50</sub>		0.04-0.86 mg/l	48 hour	Daphnia (Daphnia magna)		
EC <sub>50</sub>		0.136-0.15 mg/l	72 hour	Algae (Selenastrum capricornutum)		
ErC <sub>50</sub>		11 mg/l	72 hour	Algae (Desmodesmus subspicatus)		



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trizinc bis(orthophosphate)

Parameter	Method	Value	Time of exposure	Species	Environment	Source
LC50		0.14-2.6 mg/l	96 hour	Fishes (Oncorhynchus mykiss)		

**12.2. Persistence and degradability**

Data not available.

**12.3. Bioaccumulative potential**

Not available.

**12.4. Mobility in soil**

Not available.

**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. Other adverse effects**

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

**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. Recommended cleansing agents: Alcohol.

**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.

**Waste type code**

20 01 27 paint, inks, adhesives and resins containing dangerous substances \*

**Packaging waste type code**

15 01 04 metallic packaging

15 01 10 packaging containing residues of or contaminated by dangerous substances

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

**SECTION 14: Transport information**

**14.1. UN number**

UN 3269

**14.2. UN proper shipping name**

POLYESTER RESIN KIT

**14.3. Transport hazard class(es)**

3 Flammable liquids

**14.4. Packing group**

III - substances presenting low danger

**14.5. Environmental hazards**

not available

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

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**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not available

**Additional information**

ADR: Without hardener component: no dangerous goods < 450 l. IMDG: Without hardener component: no dangerous goods < 30 l. IATA: Without hardener component: 3/III UN 1866 Resin Solution.

Hazard identification No.	 (Kemler Code)
UN number	3
Safety signs	



**Road transport - ADR**

Limited quantities	5 L
Transport category	3
Tunnel restriction code	(E)

**Marine transport - IMDG**

EmS (emergency plan)	F-E, S-D
Marine Pollutant	No

**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 of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information**

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

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
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.

**Guidelines for safe handling used in the safety data sheet**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314 Get medical advice/attention if you feel unwell.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container to in accordance with national regulations.

**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
- DNEL Derived no-effect level
- EC Identification code for each substance listed in EINECS
- EC<sub>50</sub> 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
- IATA International Air Transport Association
- IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
- IC<sub>50</sub> Concentration causing 50% blockade
- ICAO International Civil Aviation Organization
- IMDG International Maritime Dangerous Goods
- INCI International Nomenclature of Cosmetic Ingredients
- ISO International Organization for Standardization
- IUPAC International Union of Pure and Applied Chemistry
- LC<sub>50</sub> Lethal concentration of a substance in which it can be expected death of 50% of the population
- LD<sub>50</sub> Lethal dose of a substance in which it can be expected death of 50% of the population
- LOAEC Lowest observed adverse effect concentration
- LOAEL Lowest observed adverse effect level
- log Kow Octanol-water partition coefficient
- MARPOL International Convention for the Prevention of Pollution From Ships
- NOAEC No observed adverse effect concentration
- NOAEL No observed adverse effect level
- NOEC No observed effect concentration
- NOEL No observed effect level
- OEL Occupational Exposure Limits
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted no-effect concentration
- 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

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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
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

**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. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**The changes (which information has been added, deleted or modified)**

2, 3, 8, 11, 12, 15, 16

**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.