

**GASKET PRODUCER**

Creation date 11. March 2019  
Revision date Version 1.1

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

- 1.1. Product identifier** GASKET PRODUCER  
Substance / mixture mixture  
Number 1 35124
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Mixture's intended use Barrier (Sealant).  
Mixture uses advised against For professional use only.
- 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.

Skin Sens. 1, H317  
Eye Irrit. 2, H319

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

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

Causes serious eye irritation. May cause an allergic skin reaction.

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

Warning

**Hazardous substances**

[2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate  
2-hydroxyethyl methacrylate  
2'-phenylacetohydrazide  
maleic acid

**Hazard statements**

H317 May cause an allergic skin reaction.

**GASKET PRODUCER**

Creation date	11. March 2019	Version	1.1
Revision date			

H319 Causes serious eye irritation.

**Precautionary statements**

P264 Wash hands thoroughly after handling.

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.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to in accordance with national regulations.

**Supplemental information**
**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.
CAS: 20882-04-6 EC: 244-096-4	[2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate	5-10	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 STOT SE 3, H335	
CAS: 868-77-9 EC: 212-782-2	2-hydroxyethyl methacrylate	1-5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	
CAS: 7631-86-9 EC: 231-545-4	silica, amorphous	1-5		1
CAS: 107-21-1 EC: 203-473-3	ethanediol	1-5	Acute Tox. 4, H302	1
CAS: 80-15-9 EC: 201-254-7	cumene hydroperoxide	<1	Org. Perox. EF, H242 Acute Tox. 4, H302+H312 Skin Corr. 1B, H314 Acute Tox. 3, H331 STOT RE 2, H373 Aquatic Chronic 2, H411 Specific concentration limit: Skin Irrit. 2, H315: 3 % ≤ C < 10 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % STOT SE 3, H335: 0 % ≤ C < 10 % Eye Dam. 1, H318: 3 % ≤ C < 10 % Skin Corr. 1B, H314: C ≥ 10 %	
CAS: 114-83-0 EC: 204-055-3	2'-phenylacetohydrazide	<1	Acute Tox. 3, H301 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 STOT SE 3, H335	

**GASKET PRODUCER**

Creation date 11. March 2019  
Revision date Version 1.1

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 110-16-7 EC: 203-742-5	maleic acid	<1	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 STOT SE 3, H335 Specific concentration limit: Skin Sens. 1, H317: C ≥ 0,1 %	
CAS: 106-51-4 EC: 203-405-2	p-benzoquinone	<1	Acute Tox. 3, H301, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400, M=10	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.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

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

**Inhalation**

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety. Provide medical treatment.

**Skin contact**

Remove contaminated clothes. Immediately wash with water and soap and rinse thoroughly. Provide medical treatment.

**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.

**Ingestion**

Rinse out the mouth with clean water. Provide medical treatment.

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

**Inhalation**

Exposure may cause coughing or wheezing.

**Skin contact**

There may be irritation and redness at the site of contact.

**Eye contact**

There may be irritation and redness. The eyes may water profusely.

**Ingestion**

There may be soreness and redness of the mouth and throat.

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

not available

**GASKET PRODUCER**

Creation date 11. March 2019  
Revision date Version 1.1

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Accommodate extinguishing components to the location of fire.

**Unsuitable extinguishing media**

not available

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

In the event of fire toxic gases may arise.

**5.3. Advice for firefighters**

Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water.

**SECTION 6: Accidental release measures**

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

Use personal protective equipment for work. Keep unprotected persons away. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

Do not allow product to reach sewage system or any water course.

**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.

**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 contact with skin and eyes. Use personal protective equipment as per Section 8. Avoid the formation or spread of mists in the air.

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

Store in tightly closed containers in a cool, dry place intended for this purpose. Keep only in original container.

**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.

**European Union**

Substance name (component)	Type	Time of exposure	Value	Note	Source
ethanediol (CAS: 107-21-1)	OEL	8 hours	52 mg/m <sup>3</sup>		EU limits
	OEL	8 hours	20 ppm		
	OEL	Short-term	104 mg/m <sup>3</sup>		
	OEL	Short-term	40 ppm		

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

Substance name (component)	Type	Time of exposure	Value	Note	Source
silica, amorphous (CAS: 7631-86-9)	WEL	8 hours	6 mg/m <sup>3</sup>	Inhalable dust	GBR
	WEL	8 hours	2,4 mg/m <sup>3</sup>	Respirable dust	

**GASKET PRODUCER**

Creation date

11. March 2019

Revision date

Version

1.1

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

Substance name (component)	Type	Time of exposure	Value	Note	Source
ethanediol (CAS: 107-21-1)	WEL	8 hours	10 mg/m <sup>3</sup>	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Particulates only	GBR
	WEL	8 hours	20 ppm	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	
	WEL	8 hours	52 mg/m <sup>3</sup>	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	
	WEL	15 minutes	104 mg/m <sup>3</sup>	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	
	WEL	15 minutes	40 ppm	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Vapour	
p-benzoquinone (CAS: 106-51-4)	WEL	8 hours	0,45 mg/m <sup>3</sup>	The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but are omitted from the published 2005 list.	Gestis

**GASKET PRODUCER**

Creation date

11. March 2019

Revision date

Version

1.1

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

Substance name (component)	Type	Time of exposure	Value	Note	Source
p-benzoquinone (CAS: 106-51-4)	WEL	Short-term	1,3 mg/m <sup>3</sup>	The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but are omitted from the published 2005 list.	Gestis
	WEL	8 hours	0,1 ppm	The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but are omitted from the published 2005 list.	
	WEL	Short-term	0,3 ppm	The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but are omitted from the published 2005 list.	

**8.2. Exposure controls**

Follow the usual measures intended for health protection at work and especially for good ventilation. Ensure eye bath is to hand.

**Eye/face protection**

Protective goggles.

**Skin protection**

Hand protection: Protective gloves resistant to the product. Other protection: protective workwear.

**GASKET PRODUCER**

Creation date	11. March 2019	Version	1.1
Revision date			

**Respiratory protection**

Self-contained breathing apparatus must be available in case of emergency.

**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	
Physical state	liquid at 20°C
color	orange
Odour	characteristic
Odour threshold	data not available
pH	data not available
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	data not available
Evaporation rate	non-applicable
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	data not available
Vapour density	data not available
Relative density	0.997
Solubility(ies)	
solubility in water	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	data not available
Oxidising properties	data not available
data not available	

**9.2. Other information**

Density	data not available
ignition temperature	data not available
Max. VOC content in the product in its ready to use condition	35 g/l

**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is stable under normal conditions.

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

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

**GASKET PRODUCER**

Creation date	11. March 2019	Version	1.1
Revision date			

**10.4. Conditions to avoid**

Heat.

**10.5. Incompatible materials**

Protect against strong acids and oxidizing agents.

**10.6. Hazardous decomposition products**

Not developed under normal uses. In the event of fire toxic gases may arise.

**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.

**2-hydroxyethyl methacrylate**

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	>5000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>3000 mg/kg		Rabbit	

**2'-phenylacetohydrazide**

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	270 mg/kg		Rat	

**cumene hydroperoxide**

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LDL 0	5 mg/kg		Mouse	
Oral	LD <sub>50</sub>	382 mg/kg		Rat	
Dermal	LD <sub>50</sub>	382 mg/kg		Rat	

**ethanediol**

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	4700 mg/kg		Rat	
Dermal	LD <sub>50</sub>	10626 mg/kg		Rabbit	
Inhalation (vapor)	LC <sub>50</sub>	>2.5 mg/l	6 hour	Rat	

**maleic acid**

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	708 mg/kg		Rat	
Dermal	LD <sub>50</sub>	1560 mg/kg		Rabbit	
Inhalation (vapor)	LC <sub>50</sub>	>720 mg/m <sup>3</sup>	1 hour	Rabbit	

**p-benzoquinone**

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	130 mg/kg		Mouse	
Oral	LDL 0	100 mg/kg		Mouse	
Oral	LD <sub>50</sub>	25 mg/kg		Rat	



**GASKET PRODUCER**

Creation date	11. March 2019	Version	1.1
Revision date			

silica, amorphous

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	>1000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rat	

**Skin corrosion/irritation**

Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye irritation.

GASKET PRODUCER

Route of exposure	Result	Time of exposure	Species	Determining method
Eye	Irritating			Calculation of value

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

GASKET PRODUCER

Route of exposure	Result	Time of exposure	Species	Sex	Determining method
Dermal	Sensitizing				Calculation of value

**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**

Based on available data the classification criteria are not met.

**Aspiration hazard**

Based on available data the classification criteria are not met.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Acute toxicity**

Data for the mixture are not available.

2-hydroxyethyl methacrylate

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	>100 mg/l	96 hour	Fishes ( <i>Oryzias latipes</i> )	

**GASKET PRODUCER**

Creation date

11. March 2019

Revision date

Version

1.1

2-hydroxyethyl methacrylate

Parameter	Value	Time of exposure	Species	Environment
EC <sub>50</sub>	380 mg/l	48 hour	Invertebrates (Daphnia magna)	
EC <sub>50</sub>	836 mg/l	72 hour	Algae (Selenastrum capricornutum)	
EC <sub>50</sub>	>3000 mg/l	16 hour	Microorganisms (Pseudomonas fluorescens)	

ethanediol

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	10000 mg/l	48 hour	Fishes (Leuciscus idus)	
LC <sub>50</sub>	18500 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
LC <sub>50</sub>	41000 mg/l	48 hour	Invertebrates (Daphnia magna)	

maleic acid

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	5 mg/l	96 hour	Fishes (Pimephales promelas)	
EC <sub>50</sub>	42.81 mg/l	48 hour	Invertebrates (Daphnia magna)	
EC <sub>50</sub>	74.35 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	

p-benzoquinone

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	0.045 mg/l	96 hour	Fishes (Pimephales promelas)	

**12.2. Persistence and degradability**

The mixture is biodegradable.

**12.3. Bioaccumulative potential**

No bioaccumulation potential.

**12.4. Mobility in soil**

Readily absorbed into soil.

**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**

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.

**GASKET PRODUCER**

Creation date	11. March 2019	Version	1.1
Revision date			

**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**

08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances

**Packaging waste type code**

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

**SECTION 14: Transport information****14.1. UN number**

Not subject to ADR.

**14.2. UN proper shipping name**

not available

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

not available

**14.4. Packing group**

not available

**14.5. Environmental hazards**

No

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

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

not available

**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**

H242	Heating may cause a fire.
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.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H302+H312	Harmful if swallowed or in contact with skin.

**GASKET PRODUCER**

Creation date	11. March 2019	Version	1.1
Revision date			

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

- P264 Wash hands thoroughly after handling.  
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.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
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

**GASKET PRODUCER**

Creation date	11. March 2019	Version	1.1
Revision date			

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
Eye Irrit.	Eye irritation
Org. Perox.	Organic peroxide
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
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. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**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.