

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

## SCHÖNOX® PGH Hardener



Revision Date: 01.08.2025  
Date of last issue: 28.07.2022

Version 4.0

Print Date 01.08.2025

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

#### 1.1 Product identifier

Trade name : SCHÖNOX® PGH Hardener

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

Product use : Adhesive, For professional users only.

#### 1.3 Details of the supplier of the safety data sheet

Company name of supplier : Sika Deutschland CH AG & Co KG  
Kornwestheimer Str. 103-107  
D-70439 Stuttgart  
Telephone : +49 711 8009 0  
E-mail address of person responsible for the SDS : RPC@de.sika.com

#### 1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number):  
GBK GmbH Global Regulatory Compliance +49(0)6132-84463

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Organic peroxides, Type E	H242: Heating may cause a fire.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H242 Heating may cause a fire.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements	:	P102	Keep out of reach of children.
		<b>Prevention:</b>	
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P234	Keep only in original packaging.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/ eye protection/ face protection.
		<b>Response:</b>	
		P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
		P391	Collect spillage.
		<b>Disposal:</b>	
		P501	Dispose of contents/container in accordance with local regulation.

### Hazardous components which must be listed on the label:

dibenzoyl peroxide



Signal word	:	Warning	
Hazard statements	:	H242	Heating may cause a fire.
		H317	May cause an allergic skin reaction.
		H319	Causes serious eye irritation.
		H410	Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	<b>P210</b>	<b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>
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		<b>P273</b>	<b>Avoid release to the environment.</b>
		<b>P280</b>	<b>Wear protective gloves/ protective clothing/ eye protection/ face protection.</b>
		<b>P370 + P378</b>	<b>In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.</b>
		<b>P391</b>	<b>Collect spillage.</b>

### Hazardous components which must be listed on the label:

dibenzoyl peroxide

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
dibenzoyl peroxide	94-36-0 202-327-6 617-008-00-0 01-2119511472-50-XXXX	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 40 - < 60
ethanediol	107-21-1 203-473-3 603-027-00-1 01-2119456816-28-XXXX	Acute Tox. 4; H302 STOT RE 2; H373 (Kidney, Liver)	>= 5 - < 10

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.  
Consult a physician after significant exposure.

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- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Do not induce vomiting without medical advice.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : Allergic reactions  
Excessive lachrymation  
See Section 11 for more detailed information on health effects and symptoms.
- Risks : irritant effects  
sensitising effects
- May cause an allergic skin reaction.  
Causes serious eye irritation.

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

- Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : Water  
High volume water jet

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

- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

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### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

- Personal precautions : Use personal protective equipment. Deny access to unprotected persons.

### 6.2 Environmental precautions

- Environmental precautions : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

- For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Open drum carefully as content may be under pressure. Follow standard hygiene measures when handling chemical products
- Advice on protection against : Keep away from heat/ sparks/ open flames/ hot surfaces. No

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- fire and explosion : smoking. Take precautionary measures against electrostatic discharges.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : Store in cool place. Store in accordance with local regulations.
- Storage class (TRGS 510) : 5.2
- Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

- Specific use(s) : Consult most current local Product Data Sheet prior to any use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters *	Basis *
dibenzoyl peroxide	94-36-0	AGW (Inhalable fraction)	4 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category): 4;(II)				
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				
		MAK (measured as the alveolate fraction)	1 mg/m <sup>3</sup>	DE DFG MAK
Peak-limit: excursion factor (category): 2; I				
Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed				
		MAK (inhalable fraction)	4 mg/m <sup>3</sup>	DE DFG MAK
Peak-limit: excursion factor (category): 2; I				
		AGW (Alveolate fraction)	1 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category): 4;(II)				
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				
ethanediol	107-21-1	STEL	40 ppm 104 mg/m <sup>3</sup>	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				

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		TWA	20 ppm 52 mg/m <sup>3</sup>	2000/39/EC
		AGW (Vapour and aerosols)	10 ppm 26 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category): 2; I				
Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission), European Union (The EU has established a limit value: deviations in value and peak limit are possible), Sum of vapor and aerosols., Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				
		MAK	10 ppm 26 mg/m <sup>3</sup>	DE DFG MAK
Peak-limit: excursion factor (category): 2; I				
Further information: Danger of absorption through the skin, Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed				

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

### 8.2 Exposure controls

#### Engineering measures

Maintain air concentrations below occupational exposure standards.  
Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

- Eye/face protection : Safety glasses with side-shields conforming to EN166
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.  
Suitable for short time use or protection against splashes:  
Butyl rubber/nitrile rubber gloves (> 0,1 mm)  
Contaminated gloves should be removed.  
Suitable for permanent exposure:  
Viton gloves (0.4 mm),  
breakthrough time >30 min.
- Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
organic vapor filter (Type A)  
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm  
Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in par-

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ticular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

### Environmental exposure controls

General advice : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid  
Form : paste  
Colour : red  
Odour : characteristic

Melting point/ range / Freezing point : No data available

Boiling point/boiling range : No data available

Flammability (solid, gas) : No data available

#### Upper/lower flammability or explosive limits

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : Not applicable

#### Viscosity

Viscosity, kinematic : > 20,5 mm<sup>2</sup>/s (40 °C)

#### Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-octanol/water : No data available

Vapour pressure : 0,053 hPa

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Density : 1,15 g/cm<sup>3</sup> (20 °C)  
Relative vapour density : No data available  
Particle characteristics : No data available

### 9.2 Other information

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Decomposes on heating.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Acids and bases  
Reducing agents  
Heavy metals

### 10.6 Hazardous decomposition products

:  
No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

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

#### Acute toxicity

Not classified due to lack of data.

#### Components:

##### **dibenzoyl peroxide:**

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 24,3 mg/l  
Exposure time: 4 h

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Test atmosphere: dust/mist

### **Skin corrosion/irritation**

Not classified due to lack of data.

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified due to lack of data.

#### **Germ cell mutagenicity**

Not classified due to lack of data.

#### **Carcinogenicity**

Not classified due to lack of data.

#### **Reproductive toxicity**

Not classified due to lack of data.

#### **STOT - single exposure**

Not classified due to lack of data.

#### **STOT - repeated exposure**

Not classified due to lack of data.

#### **Aspiration toxicity**

Not classified due to lack of data.

## **11.2 Information on other hazards**

### **Endocrine disrupting properties**

Not classified due to lack of data.

#### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **dibenzoyl peroxide:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

##### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### 12.6 Endocrine disrupting properties

##### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 12.7 Other adverse effects

##### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product : In accordance with the EWC Waste Regulation the classifica-

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tion of waste is to be assigned to the jurisdiction of the origin of waste. Therefore, it is not possible to assign a particular waste identification number.  
Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor. Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany.  
For further details see [www.sika.de](http://www.sika.de)

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### SECTION 14: Transport information

#### 14.1 UN number or ID number

**ADR** : UN 3269  
**IMDG** : UN 3269  
**IATA** : UN 3269

#### 14.2 UN proper shipping name

**ADR** : POLYESTER RESIN KIT  
(dibenzoyl peroxide)  
**IMDG** : POLYESTER RESIN KIT  
(dibenzoyl peroxide)  
**IATA** : Polyester resin kit  
(dibenzoyl peroxide)

#### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADR</b>	: 3	
<b>IMDG</b>	: 3	
<b>IATA</b>	: 3	

#### 14.4 Packing group

**ADR**  
Packing group : III  
Classification Code : F3  
Labels : 3  
Tunnel restriction code : (E)

**IMDG**  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-D

**IATA (Cargo)**  
Packing instruction (cargo) : 370

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aircraft)  
Packing instruction (LQ) : Y370  
Packing group : III  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 370  
Packing instruction (LQ) : Y370  
Packing group : III  
Labels : Flammable Liquids

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

#### IATA (Passenger)

Environmentally hazardous : yes

#### IATA (Cargo)

Environmentally hazardous : yes

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors

REACH Information: All substances contained in our Products are  
- registered by our upstream suppliers, and/or  
- registered by us, and/or  
- excluded from the regulation, and/or  
- exempted from the registration.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3

Number on list 75

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REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (= > 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES

E1 ENVIRONMENTAL HAZARDS

Water hazard class (Germany) : WGK 2 obviously hazardous to water  
Classification according VwVwS, Annex 4.

Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)  
no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)  
Not applicable

### Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Product is no subject to the Chemicals Prohibition Ordinance.

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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## SECTION 16: Other information

### Full text of H-Statements

H241 : Heating may cause a fire or explosion.

H302 : Harmful if swallowed.

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- H317 : May cause an allergic skin reaction.
- H319 : Causes serious eye irritation.
- H373 : May cause damage to organs through prolonged or repeated exposure.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

- Acute Tox. : Acute toxicity
- Aquatic Acute : Short-term (acute) aquatic hazard
- Aquatic Chronic : Long-term (chronic) aquatic hazard
- Eye Irrit. : Eye irritation
- Org. Perox. : Organic peroxides
- Skin Sens. : Skin sensitisation
- STOT RE : Specific target organ toxicity - repeated exposure
- 2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
- DE DFG MAK : Germany. MAK BAT Annex IIa
- DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.
- 2000/39/EC / TWA : Limit Value - eight hours
- 2000/39/EC / STEL : Short term exposure limit
- DE DFG MAK / MAK : MAK value
- DE TRGS 900 / AGW : Time Weighted Average
- ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS : Chemical Abstracts Service
- DNEL : Derived no-effect level
- EC50 : Half maximal effective concentration
- GHS : Globally Harmonized System
- IATA : International Air Transport Association
- IMDG : International Maritime Code for Dangerous Goods
- LD50 : Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
- LC50 : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
- MARPOL : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
- OEL : Occupational Exposure Limit
- PBT : Persistent, bioaccumulative and toxic
- PNEC : Predicted no effect concentration
- REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
- SVHC : Substances of Very High Concern
- vPvB : Very persistent and very bioaccumulative

### Further information

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### Classification of the mixture:

Org. Perox. E	H242
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

|| Changes as compared to previous version !

DE / EN