

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

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

#### - 1.1 Product identifier

- Trade name: **ergo 4211**

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

No further relevant information available.

- Application of the substance / the mixture Adhesives

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

##### - Manufacturer/Supplier:

Kisling Deutschland GmbH

Bürgermeister-Seidl-Straße 2

D-82515 Wolfratshausen

Tel +49 791 407 27-0

Fax +49 791 407 27-50

- Further information obtainable from: Safety Department

- Department issuing MSDS: ergo@kisling.com

- 1.4 Emergency telephone number: Tox Info Suisse: 145 / +41-44-2 51 51 51

### SECTION 2: Hazards identification

#### - 2.1 Classification of the substance or mixture

##### - Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2            H319 Causes serious eye irritation.

Skin Sens. 1            H317 May cause an allergic skin reaction.

Aquatic Chronic 2    H411 Toxic to aquatic life with long lasting effects.

#### - 2.2 Label elements

##### - Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### - Hazard pictograms



GHS07    GHS09

- Signal word Warning

##### - Hazard-determining components of labelling:

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) bismethacrylate

1,3-butylglycol-dimethacrylate

##### - Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

##### - Precautionary statements

P261            Avoid breathing dust/fume/gas/mist/vapours/spray.

P273            Avoid release to the environment.

P280            Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313    If skin irritation or rash occurs: Get medical advice/attention.

P321            Specific treatment (see on this label).

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

(Contd. on page 2)

— DEGEN —

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

Trade name: ergo 4211

(Contd. of page 1)

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Labelling of packages where the contents do not exceed 125 ml

- Hazard pictograms



GHS07 GHS09

- Signal word Warning

- Hazard-determining components of labelling:

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) bismethacrylate

1,3-butylglycol-dimethacrylate

- Hazard statements

H317 May cause an allergic skin reaction.

- Precautionary statements

P280 Wear protective gloves / eye protection / face protection.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description: Adhesive

- Dangerous components:

CAS: 43048-08-4 EINECS: 256-062-6	(octahydro-4,7-methano-1H-indenediyl)bis(methylene) bismethacrylate ----- Aquatic Chronic 2, H411; Skin Sens. 1, H317	≥ 25 - < 30%
CAS: 1189-08-8 Reg.nr.: 01-2119969461-31-xxxx	1,3-butylglycol-dimethacrylate ----- Skin Sens. 1B, H317	15 - < 30%
CAS: 3290-92-4 EINECS: 221-950-4	trimethylol propane trimethacrylate ----- Aquatic Chronic 2, H411	≥ 10 - < 15%
CAS: 20882-04-6 EINECS: 244-096-4	{2-[(2-methyl-1-oxoallyl)oxy]ethyl} hydrogen succinate ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319	1 - < 5%
CAS: 80-15-9 EINECS: 201-254-7 Index number: 617-002-00-8	α,α -dimethylbenzyl hydroperoxide ----- Org. Perox. E, H242; Acute Tox. 3, H331; STOT RE 2, H373; Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335	≥ 1 - ≤ 2.5%
CAS: 114-83-0 EINECS: 204-055-3	2'-phenylacetohydrazide ----- Acute Tox. 3, H301	≥ 0.1 - < 1%
CAS: 102-82-9 EINECS: 203-058-7	tributylamine ----- Acute Tox. 3, H311; Acute Tox. 1, H330; Acute Tox. 4, H302; Skin Irrit. 2, H315	≥ 0.1 - < 1%
CAS: 123-31-9 EINECS: 204-617-8 Index number: 604-005-00-4	1,4-dihydroxybenzene ----- Muta. 2, H341; Carc. 2, H351; Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Sens. 1, H317	≥ 0.025 - ≤ 0.1%

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

**Trade name: ergo 4211**

(Contd. of page 2)

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### - 4.1 Description of first aid measures

- **General information:** Remove any clothing soiled by the product.

#### - After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

#### - After skin contact:

After contact with skin, wash immediately with plenty of soap and water.

If skin irritation continues, consult a doctor.

#### - After eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### - After swallowing:

Rinse out mouth and then drink plenty of water.

If swallowed, do not induce vomiting; seek medical advice and show this container or label.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### - 5.1 Extinguishing media

#### - Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### - For safety reasons unsuitable extinguishing agents: Water with full jet

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

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide and carbon dioxide

Danger of forming toxic pyrolysis products.

Under certain fire conditions, traces of other toxic gases cannot be excluded.

#### - 5.3 Advice for firefighters

#### - Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

#### - Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

#### - 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

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

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

#### - 6.4 Reference to other sections

See Section 7 for information on safe handling.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

**Trade name: ergo 4211**

(Contd. of page 3)

See Section 8 for information on personal protection equipment.  
See Section 10 for information on "stability and reactivity".  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**  
No special precautions are necessary if used and stored according to specifications.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.  
Store receptacle in a well ventilated area.
- **Storage class (TRGS 510, Storage of hazardous substances in non-stationary containers):** 10-13
- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

**- Ingredients with limit values that require monitoring at the workplace:****80-15-9  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide**

MAK (Germany) | als Dampf und Aerosol; vgl. Abschn. Xa

**102-82-9 tributylamine**

MAK (Germany) | als Dampf und Aerosol; vgl. Abschn. IIb

**123-31-9 1,4-dihydroxybenzene**

MAK (Germany) | als Dampf und Aerosol

**- DNELs****1189-08-8 1,3-butylglycol-dimethacrylate**

Dermal | Langzeit, Systemische Effekte | 4.2 mg/kg bw/day (ber)

Inhalative | Langzeit, Systemische Effekte | 14.5 mg/m<sup>3</sup> (ber)**123-31-9 1,4-dihydroxybenzene**

Dermal | Langzeit, Systemische Effekte | 64 mg/kg bw/day (all)

Inhalative | Langzeit, Lokale Effekte | 128 mg/kg bw/day (ber)

0.5 mg/m<sup>3</sup> (all)1 mg/m<sup>3</sup> (ber)Langzeit, Systemische Effekte | 1.74 mg/m<sup>3</sup> (all)7 mg/m<sup>3</sup> (ber)**- PNECs****123-31-9 1,4-dihydroxybenzene**

PNEC Süßwasser | 0.114 mg/l

PNEC Süßwassersediment | 0.00098 mg/kg Sediment

PNEC Meerwasser | 0.0114 mg/l

PNEC Boden | 0.000129 mg/kg Boden

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

**Trade name: ergo 4211**

(Contd. of page 4)

PNEC Kläranlage	0.71 mg/l
PNEC Meerwassersediment	0.000097 mg/kg Sediment

- CAS No. Designation of material % Type Value Unit

- **Additional Occupational Exposure Limit Values for possible hazards during processing:**

**144-62-7 oxalic acid**

IOELV (European Union)	Long-term value: 1 mg/m <sup>3</sup>
AGW (Germany)	Long-term value: 1 E mg/m <sup>3</sup> 1(I);H, EU, 13

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

- **Protection of hands:**

Protective gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Find below a list of appropriate protective gloves for chemical surrounding:

Permeation time / penetration time: = 480 minutes (DIN EN 374):

Naturlatex I , Nr. 0395 oder 0403

Naturlatex II , Nr. 0706 oder 0708

Chloropren Nitril II, Nr. 0717

Chloropren Nitril I, Nr. 0727

Chloropren, Nr. 0720, 0722, 0723, 0725 oder 0726

Nitril I, Nr. 0730, 0732, 0733, 0736, 0737, 0738, 0739 oder 0836

Nitril II, Nr. 0740, 0741, 0742 oder 0759

Nitril III, Nr. 0743

Nitril VI, Nr. 0754

Nitril V, Nr. 0764

Viton, Nr. 0890

Butyl II, Nr. 0897

Butyl, Nr. 0898

of KCL company (e-mail: [vertrieb@kcl.de](mailto:vertrieb@kcl.de)).

The recommendation is based exclusively on the chemical compatibility and the test according to EN374 under laboratory conditions.

Requirements can vary according to the use. Therefore, please always take into account the glove supplier's recommendations.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

Trade name: ergo 4211

(Contd. of page 5)

**- Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**- Eye protection:** Safety glasses**SECTION 9: Physical and chemical properties****- 9.1 Information on basic physical and chemical properties****- General Information****- Appearance:****Form:** Fluid**Colour:** Violet**- Odour:** Characteristic**- Odour threshold:** Not determined.**- pH-value:** Not determined.**- Change in condition****Melting point/freezing point:** Undetermined.**Initial boiling point and boiling range:** Undetermined.**- Flash point:** > 90 °C**- Flammability (solid, gas):** Not applicable.**- Decomposition temperature:** Not determined.**- Auto-ignition temperature:** Product is not self-igniting.**- Explosive properties:** Product does not present an explosion hazard.**- Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**- Vapour pressure:** Not determined.**- Density at 25 °C:** 1.1 g/cm<sup>3</sup>**- Relative density** Not determined.**- Vapour density** Not determined.**- Evaporation rate** Not determined.**- Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

**- Partition coefficient: n-octanol/water:** Not determined.**- Viscosity:****Dynamic at 25 °C:** 7 000 - 15 000 mPas (Brookfield (6/2,5))**Kinematic:** Not determined.**- 9.2 Other information** No further relevant information available.**SECTION 10: Stability and reactivity****- 10.1 Reactivity** No further relevant information available.**- 10.2 Chemical stability****- Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Protect from heat and direct sunlight.

**- 10.3 Possibility of hazardous reactions** Reacts with metal-salts.**- 10.4 Conditions to avoid** No further relevant information available.**- 10.5 Incompatible materials:** No further relevant information available.

(Contd. on page 7)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

Trade name: ergo 4211

(Contd. of page 6)

**- 10.6 Hazardous decomposition products:**

No dangerous products of decomposition if used and stored according to specifications.

**SECTION 11: Toxicological information****- 11.1 Information on toxicological effects****- Acute toxicity** Based on available data, the classification criteria are not met.**- LD/LC50 values relevant for classification:****80-15-9  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide**

Oral LD50 382 mg/kg (rat)

Dermal LD50 500 mg/kg (rat)

Inhalative LC50/4 h 220 mg/l (rat)

**114-83-0 2'-phenylacetohydrazide**

Oral LD50 270 mg/kg (rat)

**102-82-9 tributylamine**

Inhalative LC50/4 h 0.5 mg/l (rat)

**123-31-9 1,4-dihydroxybenzene**

Oral LD50 375 mg/kg (rat) (OECD 401)

Dermal LD50 &gt; 2,000 mg/kg (rab) (OECD 402)

**- Primary irritant effect:****- Skin corrosion/irritation** Based on available data, the classification criteria are not met.**- Serious eye damage/irritation**

Causes serious eye irritation.

**- Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**- Additional toxicological information:**

No experimentally found toxicological data are available for this preparation.

**- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****- 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.**- STOT-single exposure** Based on available data, the classification criteria are not met.**- STOT-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****- Aquatic toxicity:****1189-08-8 1,3-butylglycol-dimethacrylate**

EC50/72 h 9.79 mg/l (Desmodesmus subspicatus) (OECD 201)

**123-31-9 1,4-dihydroxybenzene**

LC50/96 h 0.638 mg/l (Oncorhynchus mykiss)

EC50/48 h 0.061 mg/l (Daphnia magna)

EC50/72 h 0.33 mg/l (Pseudokirchneriella subcapitata)

**- 12.2 Persistence and degradability** No further relevant information available.**- 12.3 Bioaccumulative potential** No further relevant information available.**- 12.4 Mobility in soil** No further relevant information available.**- Ecotoxicological effects:****- Remark:** Harmful to fish

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

**Trade name: ergo 4211**

(Contd. of page 7)

- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Danger to drinking water if even small quantities leak into the ground.  
Do not allow product to reach ground water, water course or undiluted sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.

#### - European waste catalogue

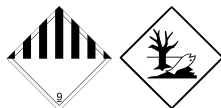
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN3082
- **14.2 UN proper shipping name**
- **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tricyclodecane-Dimethanol-Dimethacrylate, trimethylol propane trimethacrylate)
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tricyclodecane-Dimethanol-Dimethacrylate, trimethylol propane trimethacrylate), MARINE POLLUTANT
- **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tricyclodecane-Dimethanol-Dimethacrylate, trimethylol propane trimethacrylate)

#### - 14.3 Transport hazard class(es)

- **ADR**- **Class**

9 (M6) Miscellaneous dangerous substances and articles.

(Contd. on page 9)

- DEGEN -



## Safety data sheet

according to 1907/2006/EC, Article 31

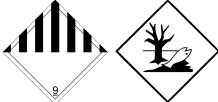
Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

Trade name: ergo 4211

(Contd. of page 8)

- Label	9
-----	
- IMDG, IATA	
	
- Class	9 Miscellaneous dangerous substances and articles.
- Label	9
- 14.4 Packing group	
- ADR, IMDG, IATA	III
- 14.5 Environmental hazards:	Product contains environmentally hazardous substances: 1,4-dihydroxybenzene, Tricyclodecane-Dimethanol-Dimethacrylate
- Marine pollutant:	Symbol (fish and tree)
- Special marking (ADR):	Symbol (fish and tree)
- Special marking (IATA):	Symbol (fish and tree)
- 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
- Danger code (Kemler):	90
- EMS Number:	F-A,S-F
- Stowage Category	A
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
-----	
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Transport category	3
-----	
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRICYCLODECANE-DIMETHANOL-DIMETHACRYLATE, TRIMETHYLOL PROPANE TRIMETHACRYLATE), 9, III

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations:
- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

-DEGEN-

(Contd. on page 10)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 05.03.2018

Version number 3

Revision: 05.03.2018

Trade name: ergo 4211

(Contd. of page 9)

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### - Relevant phrases

- H242 Heating may cause a fire.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- 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.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- 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.

#### - Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Org. Perox. E: Organic peroxides – Type E/F
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 1: Acute toxicity – Category 1
- Acute Tox. 3: Acute toxicity – Category 3
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1B: Skin sensitisation – Category 1B
- Muta. 2: Germ cell mutagenicity – Category 2
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

#### - \* Data compared to the previous version altered.