






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

- **1.1 Product identifier**
- **Trade name:** PEROXAN CU-80 L
- **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**  
Reaction initiator  
For industrial use
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** PERGAN GmbH  
Hilfsstoffe für industrielle Prozesse  
Schlavenhorst 71  
D-46395 Bocholt  
Tel: +49 2871 9902-0  
Fax: +49 2871 9902-50
- **Further information obtainable from:** Environment protection / Security of labour  
Competent person:  
\* Sales Manager Germany: Mr. Ansgar Pappenheim, e-mail: a.pappenheim@pergan.com  
\* Export Sales Manager: Mr. Dr. Thomas Philipps, e-mail: dr.philipps@pergan.com  
\* Environment protection / : Mr. Christoph Wiltling, e-mail: c.wiltling@pergan.com  
Security of labour
- **1.4 Emergency telephone number:** - Tel: +49 2871 9902-0

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Org. Perox. F	H242 Heating may cause a fire.
Acute Tox. 4	H302 Harmful if swallowed.
Acute Tox. 4	H312 Harmful in contact with skin.
Acute Tox. 3	H331 Toxic if inhaled.
Skin Corr. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
STOT SE 3	H335 May cause respiratory irritation.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
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**

GHS02 GHS05 GHS06 GHS08 GHS09
- **Signal word** Danger
- **Hazard-determining components of labelling:**  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide  
cumene  
2-Phenyl-2-propanol
- **Hazard statements**

H242	Heating may cause a fire.
H302+H312	Harmful if swallowed or in contact with skin.
H331	Toxic if inhaled.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H411	Toxic 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.
P220	Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy metal compounds and amines).
P234	Keep only in original packaging.
P243	Take action to prevent static discharges.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.

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P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P410	Protect from sunlight.
P411+P235	Store at temperatures not exceeding +30°C. Keep cool.
P420	Do not mix with peroxide-accelerators or reducing agents.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

· **3.2 Chemical characterisation: Mixtures**

· **Dangerous components:**

CAS: 80-15-9 EINECS: 201-254-7 Index number: 617-002-00-8 Reg-No.: 01-2119475796-19	$\alpha,\alpha$ -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	80-90%
CAS: 98-82-8 EINECS: 202-704-5 Index number: 601-024-00-X Reg-No.: 01-2119473983-24	cumene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335	10-20%
CAS: 617-94-7 EINECS: 210-539-5	2-Phenyl-2-propanol Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2,5-5%

- **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:**

Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
Remove breathing equipment only after contaminated clothing have been completely removed.  
In case of irregular breathing or respiratory arrest provide artificial respiration.



Take care of personal protection for the first aider.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.  
In case of unconsciousness place patient stably in side position for transportation.  
Take affected persons into fresh air and keep quiet.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
Immediately remove contaminated clothing.

· **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Call for a doctor immediately.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.

· **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.

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

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


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- Hydrocarbons, carbon dioxide and -monoxide.
- **5.3 Advice for firefighters**
  - **Protective equipment:** Mouth respiratory protective device.
  - **Additional information** Do not inhale explosion gases or combustion gases.  
Cool endangered receptacles with water spray.  
Self-protection first!

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Keep away from ignition sources.
  - In case of further temperature should be cooled with waterspray from a safe distance.
  - Wear breathing apparatus with filter A during decomposition of materials.
  - 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 to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
  - Large quantities should be diluted with suitable desensitisation agent to a concentration below 10 % before disposal.
  - Soak up with absorbant material (e. g. Vermiculit) and dispose of in accordance with government regulations.
- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.
  - In case of large spillage the environmental authority should be informed.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Keep away from heat and direct sunlight.
  - Ensure good ventilation/exhaustion at the workplace.
  - Open and handle receptacle with care.
  - Prevent formation of aerosols.
  - Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
  - Do not refill residue into storage receptacles.
  - Restrict the quantity stored at the work place.
  - Use only in well ventilated areas.
  - Before break and at the end of work hands should be thoroughly washed.
  - Only use tools made of suitable materials (e. g. polyethylene or stainless steel).
  - Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and amines).
  - While using do not eat, drink or smoke.
  - Do not generate flames or sparks.
  - Keep product and emptied container away from heat and sources of ignition.
  - Avoid shock and friction.
  - Take precautionary measures against static discharges.
  -  Do not smoke.
- **Information about fire - and explosion protection:**
  - Protect from heat.
  - Protect against electrostatic charges.
  - Prevent impact and friction.
  - Keep respiratory protective device available.
  - Use explosion-proof apparatus / fittings and spark-proof tools.
  - Fumes can combine with air to form an explosive mixture.
  -  Wear shoes with conductive soles.
  - Formation of flammable or explosive gas/air-mixtures is possible.
  -  Avoid open flames, sparks, direct sunlight and other sources of ignition.
  - Keep ignition sources away - Do not smoke.

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

- **Storage:** Pay attention to the special requirements of your local authorities for storing dangerous goods.
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.  
Prevent any seepage into the ground.  
Use only receptacles specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Do not store or park organic peroxide together with heavy metal compounds and amines.  
Store away from foodstuffs, drinks and feeding stuffs.
- **Further information about storage conditions:** Keep container tightly sealed.  
Protect from heat and direct sunlight.  
Protect from contamination.  
Store under lock and key and out of the reach of children.  
Storage in a collecting room is required.
- **Recommended storage temperature (To maintain quality):** 0 .... +30 °C
- **Storage class:** 5.2
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

#### Ingredients with limit values that require monitoring at the workplace:

##### 98-82-8 cumene

IOELV (EU)	Short-term value: 250 mg/m <sup>3</sup> , 50 ppm Long-term value: 50 mg/m <sup>3</sup> , 10 ppm Skin
WEL (Great Britain)	Short-term value: 250 mg/m <sup>3</sup> , 50 ppm Long-term value: 125 mg/m <sup>3</sup> , 25 ppm Sk

#### DNELs

##### 80-15-9 α,α -dimethylbenzyl hydroperoxide

Inhalative	DNEL Longterm System	6 mg/m <sup>3</sup> (Worker)
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##### 98-82-8 cumene

Dermal	DNEL Longterm System	15,4 mg/kg bw/day (Worker)
Inhalative	DNEL Longterm System	100 mg/m <sup>3</sup> (Worker)

#### PNECs

##### 80-15-9 α,α -dimethylbenzyl hydroperoxide

PNEC Marinewater sed	0,002 mg/kg sed dw (-)
PNEC Freshwater	0,003 mg/l (AF 1.000)
PNEC Freshwater sed	0,023 mg/kg sed dw (-)
PNEC Soil	0,003 mg/kg soil dw (-)
PNEC STP	0,35 mg/l (-)
PNEC Marinewater	0 mg/l (AF 10.000)

##### 98-82-8 cumene

PNEC Marinewater sed	0,322 mg/kg sed dw (-)
PNEC Freshwater	0,035 mg/l (AF 10)
PNEC Freshwater sed	3,22 mg/kg sed dw (-)
PNEC Soil	0,624 mg/kg soil dw (-)
PNEC STP	200 mg/l (AF 10)
PNEC Marinewater	0,004 mg/l (AF 100)

- **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

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<ul style="list-style-type: none"> <li>· <b>Respiratory protection:</b></li> <li>· <b>Protection of hands:</b></li> <li>· <b>Material of gloves</b></li> <li>· <b>Penetration time of glove material</b></li> <li>· <b>Eye protection:</b></li> <li>· <b>Body protection:</b></li> </ul>	<p>Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Be sure to clean skin thoroughly after work and before breaks. 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. Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated.</p> <p> Filter A2</p> <p>Only use chemical-protective gloves with CE-labelling of category III. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</p> <p>Protective gloves 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. Butyl rubber, BR Fluorocarbon rubber (Viton) Nitrile rubber, NBR Neoprene</p> <p>The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> <p> Tightly sealed goggles</p> <p> Protective work clothing</p>
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## SECTION 9: Physical and chemical properties

· <b>9.1 Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Colour:</b>	Light yellow
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
· <b>Melting point/freezing point:</b>	Not applicable.
· <b>Initial boiling point and boiling range:</b>	Not applicable.
· <b>Flash point:</b>	64 °C
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Decomposition temperature:</b>	+80 °C (SADT)
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	1,04 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>water:</b>	Undetermined.
· <b>Partition coefficient: n-octanol/water:</b>	not determined

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· <b>Viscosity:</b>	
· <b>Dynamic at 20 °C:</b>	15 mPas
· <b>Kinematic:</b>	Not determined.
· <b>9.2 Other information</b>	No further relevant information available.
· <b>Active oxygen</b>	8,3 - 8,7 %

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which self accelerating decomposition may occur with substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by decomposition at and above the temperature. Contact with incompatible substances can cause decomposition at or below the SADT.  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** Self-accelerating decomposition at SADT.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Rapid decomposition by dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and amines).
- **10.6 Hazardous decomposition products:** Hydrocarbons, carbon dioxide and -monoxid.  
No hazardous decomposition products if used and stored according to specifications.
- **Additional information:** Emergency procedures will vary depending on conditions. The customer should have an emergency response plan in place.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Harmful if swallowed or in contact with skin.  
Toxic if inhaled.

· <b>LD/LC50 values relevant for classification:</b>		
<b>80-15-9 <math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide</b>		
Oral	LD50	200-2.000 mg/kg (rattus)
Dermal	LD50	400-2.000 mg/kg (rattus)
Inhalative	LC50 / 4h	0,5-2 mg/l (rattus)
<b>98-82-8 cumene</b>		
Oral	LD50	2.260 mg/kg (rattus)
Dermal	LD50	12.300 mg/kg (cuniculosus)
Inhalative	LC50 / 4h	24,7 mg/l (mus)
<b>617-94-7 2-Phenyl-2-propanol</b>		
Oral	LD50	1.300 mg/kg (rattus)
Dermal	LD50	4.300 mg/kg (cuniculosus)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **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** May cause respiratory irritation.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** May be fatal if swallowed and enters airways.

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**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:****80-15-9  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide**

LC50 | 10-100 mg/l (leuciscus idus)

· **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:**

Toxic for fish

· **Additional ecological information:**· **General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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.

· **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**

After diluting with a suitable desensitisation agent to 10 %, the solution must be supplied to a special treatment (e. g. thermal utilization) under observance of all official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Waste disposal key:**

Please contact your hazardous waste disposers to assign the right EWC-(European waste catalog)-number.

· **Uncleaned packaging:**· **Recommendation:**

This material and its container must be disposed of as hazardous waste.

**SECTION 14: Transport information**· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN3109

· **14.2 UN proper shipping name**· **ADR**

UN3109 ORGANIC PEROXIDE TYPE F, LIQUID (CUMYLHYDROPEROXIDE), ENVIRONMENTALLY HAZARDOUS ORGANIC PEROXIDE TYPE F, LIQUID (CUMYLHYDROPEROXIDE), MARINE POLLUTANT

· **IMDG**· **IATA**

ORGANIC PEROXIDE TYPE F, LIQUID (CUMYLHYDROPEROXIDE)

· **14.3 Transport hazard class(es)**· **ADR**· **Class**

5.2 (P1) Organic peroxides.

· **Label**

5.2+8

· **IMDG**· **Class**


5.2 Organic peroxides.

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· Label	5.2/8
· IATA	
	
· Class	5.2 Organic peroxides.
· Label	5.2 (8)
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: CUMYLHYDROPEROXIDE
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Organic peroxides.
· Hazard identification number (Kemler code):	539
· Stowage Category	D
· Stowage Code	SW1 Protected from sources of heat.
· Segregation Code	SG35 Stow "separated from" SGG1-acids SG36 Stow "separated from" SGG18-alkalis. SG72 See 7.2.6.3.2.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	125 ml
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· RID / GGVSEB:	like ADR
· IMDG	
· Limited quantities (LQ)	125 ml
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances
  - ANNEX I None of the ingredients is listed.
  - ANNEX II H2 ACUTE TOXIC
  - ANNEX III P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES
  - ANNEX IV E2 Hazardous to the Aquatic Environment
- Seveso category
- Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

### 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.

- Department issuing SDS: Environment protection / Security of labour
- Contact: Tel: +49 2871 9902-0  
E-mail: mail@pergan.com

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**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord relatif au transport international 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  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Org. Perox. E: Organic peroxides – Type E/F  
 Org. Perox. F: Organic peroxides – Type E/F  
 Acute Tox. 4: Acute toxicity – Category 4  
 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  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

\* Data compared to the previous version altered.