

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

Printing date 25.01.2024

Version number 3.02 (replaces version 3.01)

Revision: 25.01.2024

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

· **1.1 Product identifier**

· **Trade name:** **PERADES CM75**

· **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**

Acidic cleaning product for use in food industry.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Tensio  
Doornpark 36  
9120 Beveren  
Belgium  
Tel.: +32 3 755 48 74  
Fax.: +32 3 755 51 55  
e-mail: [info@tensio.be](mailto:info@tensio.be)

· **Further information obtainable from:**

Product Safety Departement: [SDS@tensio.be](mailto:SDS@tensio.be)

· **1.4 Emergency telephone number:**

België / Belgique: Antigifcentrum / Centre Antipoison : +32 70 245 245  
Nederland: Nationaal Vergiftigingen Informatie Centrum : +31 30 274 88 88  
+44 700 393 7989  
Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

**2 Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Self-react. F H242 Heating may cause a fire.  
Org. Perox. F H242 Heating may cause a fire.  
Met. Corr. 1 H290 May be corrosive to metals.  
Acute Tox. 4 H302 Harmful if swallowed.  
Acute Tox. 4 H332 Harmful if inhaled.  
Skin Corr. 1A H314 Causes severe skin burns and eye damage.  
Aquatic Chronic 1 H410 Very 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 GB CLP regulation.

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· **Hazard pictograms**



GHS02 GHS05 GHS07 GHS09

· **Signal word**

*Danger*

· **Hazard statements**

H242 Heating may cause a fire.  
H242 Heating may cause a fire.  
H290 May be corrosive to metals.  
H302+H332 Harmful if swallowed or if inhaled.  
H314 Causes severe skin burns and eye damage.  
H410 Very 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.  
P260 Do not breathe mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P310 Immediately call a POISON CENTER/doctor.  
P321 Specific treatment (see on this label).

· **Additional information:**

EUH071 Corrosive to the respiratory tract.  
Product contains: Restricted explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 5 (1) and (3).

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.


**3 Composition/information on ingredients**

· **3.2 Mixtures**

· **Description:**

Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 7664-93-9 EINECS: 231-639-5	<p>sulphuric acid</p> <p> Skin Corr. 1A, H314</p> <p>Specific concentration limits: Skin Corr. 1A; H314: C ≥ 15 % Skin Irrit. 2; H315: 5 % ≤ C &lt; 15 % Eye Irrit. 2; H319: 5 % ≤ C &lt; 15 %</p>	≥5- <10%
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CAS: 7722-84-1 EINECS: 231-765-0 Reg.nr.: 01-2119485845-22-XXXX	<b>hydrogen peroxide solution</b> ⚠ Ox. Liq. 1, H271; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332 Specific concentration limits: Ox. Liq. 1; H271: C ≥ 70 % Ox. Liq. 2; H272: 50 % ≤ C < 70 % Skin Corr. 1A; H314: C ≥ 70 % Skin Corr. 1B; H314: 50 % ≤ C < 70 % Skin Irrit. 2; H315: 35 % ≤ C < 50 % Eye Dam. 1; H318: C ≥ 8 % Eye Irrit. 2; H319: 5 % ≤ C < 8 % STOT SE 3; C ≥ 35 %	≥ 8–<10%
CAS: 64-19-7 EINECS: 200-580-7	<b>acetic acid</b> ⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H312 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 90 % Skin Corr. 1B; H314: 25 % ≤ C < 90 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	≥ 2.5–<10%
CAS: 79-21-0 EINECS: 201-186-8	<b>peracetic acid</b> ⚠ Flam. Liq. 3, H226; Org. Perox. D, H242; ⚠ Skin Corr. 1A, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332 Specific concentration limit: STOT SE 3; H335: C ≥ 1%	≥ 5–<10%

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

#### 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.
- **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:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Call for a doctor immediately.

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

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

*Skin contact: burns, pain, redness.*

*Eye contact: lesions, irritations, pain, tearing, redness.*

*Inhalation: malaise, dizziness*

*Ingestion: burns, irritation, pain.*

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

*Treat symptomatically. An eyewash is recommended in the immediate work area.*

**5 Firefighting measures**

**· 5.1 Extinguishing media**

**· Suitable extinguishing agents:**

*CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

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

*During heating or in case of fire poisonous gases are produced.*

**· 5.3 Advice for firefighters**

**· Protective equipment:**

*Mouth respiratory protective device.*

**6 Accidental release measures**

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

*Mount respiratory protective device.*

*Wear protective equipment. Keep unprotected persons away.*

**· 6.2 Environmental precautions:**

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

*Dilute with plenty of water.*

*Do not allow to enter sewers/ surface or ground water.*

**· 6.3 Methods and material for containment and cleaning up:**

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

*Use neutralising agent.*

*Dispose contaminated material as waste according to section 13.*

*Ensure adequate ventilation.*

**· 6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

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See Section 13 for disposal information.

## 7 Handling and storage

### · 7.1 Precautions for safe handling

Keep away from heat and direct sunlight.  
Do not refill residue into storage receptacles.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Prevent formation of aerosols.

### · Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.

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

#### · Storage:

#### · Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.  
Store in a cool location.

#### · Information about storage in one common storage facility:

Not required.

#### · Further information about storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.  
Keep container tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

### · 7.3 Specific end use(s)

No further relevant information available.

## 8 Exposure controls/personal protection

### · 8.1 Control parameters

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

##### **CAS: 7664-93-9 sulphuric acid (≥5–<10%)**

WEL (Great Britain) Long-term value: 0.05\* mg/m<sup>3</sup>  
\*mist: defined as thoracic fraction

IOELV (EU) Long-term value: 0.05 mg/m<sup>3</sup>

##### **CAS: 7722-84-1 hydrogen peroxide solution (≥8–<10%)**

WEL (Great Britain) Short-term value: 2.8 mg/m<sup>3</sup>, 2 ppm  
Long-term value: 1.4 mg/m<sup>3</sup>, 1 ppm

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**CAS: 64-19-7 acetic acid (≥2.5–<10%)**


WEL (Great Britain)	Short-term value: 50 mg/m <sup>3</sup> , 20 ppm Long-term value: 25 mg/m <sup>3</sup> , 10 ppm
IOELV (EU)	Short-term value: 50 mg/m <sup>3</sup> , 20 ppm Long-term value: 25 mg/m <sup>3</sup> , 10 ppm

- **Additional information:** *The lists valid during the making were used as basis.*
  
- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see section 7.*
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:** *Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.*
- **Respiratory protection:** *In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*
- **Hand protection**



**Protective gloves**

*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** *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.*
- **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/face protection**



**Tightly sealed goggles**

## 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** *Fluid*

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· <b>Colour:</b>	Transparent
· <b>Odour:</b>	Pungent
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	105 °C
· <b>Flammability</b>	May cause fire.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	> 60 °C
· <b>Auto-ignition temperature:</b>	485 °C
· <b>Decomposition temperature (SADT):</b>	Not determined.
· <b>pH at 20 °C</b>	1.7
· <b>Viscosity:</b>	
· <b>Kinematic viscosity at 40 °C</b>	1.525 mm <sup>2</sup> /s
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Fully miscible.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1.209 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	6.1 %
· <b>VOC (EC)</b>	6.13 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void

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· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Heating may cause a fire.
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Heating may cause a fire.
· <b>Corrosive to metals</b>	May be corrosive to metals.
· <b>Desensitised explosives</b>	Void

**10 Stability and reactivity**

· <b>10.1 Reactivity</b>	No further relevant information available.
· <b>10.2 Chemical stability</b>	
· <b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
· <b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known.
· <b>10.4 Conditions to avoid</b>	No further relevant information available.
· <b>10.5 Incompatible materials:</b>	No further relevant information available.
· <b>10.6 Hazardous decomposition products:</b>	No dangerous decomposition products known.

**11 Toxicological information**

· <b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>	
· <b>Acute toxicity</b>	Harmful if swallowed or if inhaled.
· <b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage.
· <b>11.2 Information on other hazards</b>	

· **Endocrine disrupting properties**

None of the ingredients is listed.

**12 Ecological information**

· <b>12.1 Toxicity</b>	
· <b>Aquatic toxicity:</b>	No further relevant information available.
· <b>12.2 Persistence and degradability</b>	No further relevant information available.
· <b>12.3 Bioaccumulative potential</b>	No further relevant information available.

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- **12.4 Mobility in soil** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Endocrine disrupting properties** *The product does not contain substances with endocrine disrupting properties.*
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** *Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
The surfactants ingredients of the product are biodegradable according to the requirements of regulation 648/2004/EC.  
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.*

**13 Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation** *Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

**14 Transport information**

- **14.2 UN proper shipping name**
- **ADR** *UN3109 ORGANIC PEROXIDE TYPE F, LIQUID (peracetic acid), ENVIRONMENTALLY HAZARDOUS*

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· <b>IMDG</b>	ORGANIC PEROXIDE TYPE F, LIQUID (peracetic acid), MARINE POLLUTANT
· <b>IATA</b>	ORGANIC PEROXIDE TYPE F, LIQUID (peracetic acid)
· <b>Class</b>	8 Corrosive substances.
· <b>Label</b>	8+5.2
· <b>Class</b>	8 Corrosive substances.
· <b>Label</b>	8/5.2
· <b>Class</b>	8 Corrosive substances.
· <b>Label</b>	8 (5.2)
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Yes Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Corrosive substances.
· <b>Hazard identification number (Kemler code):</b>	539
· <b>EMS Number:</b>	F-J,S-R
· <b>Stowage Category</b>	D
· <b>Stowage Code</b>	SW1 Protected from sources of heat.
· <b>Segregation Code</b>	SG35 Stow "separated from" SGG1-acids SG36 Stow "separated from" SGG18-alkalis. SG72 See 7.2.6.3.2.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Limited quantities (LQ)</b>	125 ml
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D
· <b>Limited quantities (LQ)</b>	125 ml
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID (PERACETIC ACID), 8 (5.2), ENVIRONMENTALLY HAZARDOUS

**15 Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· **Regulated explosives precursors**

CAS: 7664-93-9	sulphuric acid	15%
CAS: 7722-84-1	hydrogen peroxide solution	12%

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· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Labelling according to**

**Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS02 GHS05 GHS07 GHS09

· **Signal word**

Danger

· **Hazard statements**

H242 Heating may cause a fire.  
H242 Heating may cause a fire.  
H290 May be corrosive to metals.  
H302+H332 Harmful if swallowed or if inhaled.  
H314 Causes severe skin burns and eye damage.  
H410 Very 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.  
P260 Do not breathe mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P310 Immediately call a POISON CENTER/doctor.  
P321 Specific treatment (see on this label).

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I**

None of the ingredients is listed.

· **Seveso category**

P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES  
E1 Hazardous to the Aquatic Environment

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- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **National regulations:**

· **Information about limitation of use:**

Class	Share in %
11	6.1

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

## 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**
  - H226 Flammable liquid and vapour.
  - H242 Heating may cause a fire.
  - H271 May cause fire or explosion; strong oxidiser.
  - H272 May intensify fire; oxidiser.
  - H302 Harmful if swallowed.
  - H312 Harmful in contact with skin.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H332 Harmful if inhaled.
  - H335 May cause respiratory irritation.
  - H400 Very toxic to aquatic life.
- **Contact:** Wim Lampaert  
MSc Chemistry
- **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)
  - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  - ICAO: International Civil Aviation Organisation
  - ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
  - 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

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*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*VOC: Volatile Organic Compounds (USA, EU)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*ATE: Acute toxicity estimate values*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Self-react. F: Self-reactive substances and mixtures – Type E/F*

*Ox. Liq. 1: Oxidizing liquids – Category 1*

*Org. Perox. D: Organic peroxides – Type C/D*

*Org. Perox. F: Organic peroxides – Type E/F*

*Met. Corr. 1: Corrosive to metals – Category 1*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Corr. 1A: Skin corrosion/irritation – Category 1A*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*

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