

Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Issue date: 26.05.2026

Version number: 1.1 (replaces version 1.0)

Revision date: 26.05.2026

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

· 1.1 Product identifier

· Trade name: PPG Deluxe Hydrogen Peroxide 30%

· Product Code: PEROXIDE25PPG

· Registration number Mixture

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

· Product category

PC1 Adhesives, sealants

PC2 Adsorbents

PC8 Biocidal products

PC9a Coatings and paints, thinners, paint removers

PC12 Fertilisers

PC13 Fuels

PC14 Metal surface treatment products

PC15 Non-metal-surface treatment products

PC19 Intermediate

PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents

PC21 Laboratory chemicals

PC23 Leather treatment products

PC24 Lubricants, greases, release products

PC25 Metal working fluids

PC26 Paper and board treatment products

PC27 Plant protection products

PC29 Pharmaceuticals

PC31 Polishes and wax blends

PC32 Polymer preparations and compounds

PC33 Semiconductors

PC34 Textile dyes, and impregnating products

PC35 Washing and cleaning products (including solvent based products)

PC37 Water treatment chemicals

PC39 Cosmetics, personal care products

PC0 Other

· Application of the substance / the mixture

The product has many industrial, professional and consumer applications.

· Uses advised against

Processes involving the use of incompatible substances - refer to section 10.

Any use involving aerosol formation or vapour release in excess of the assigned Workplace Exposure Limit where workers are exposed without suitable Respiratory Protective Equipment.

Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).

Processes involving extreme heat use advised against.

The product is strictly intended for industrial or professional use only.

· 1.3 Details of the supplier of the safety data sheet

· Supplier:

Golden Coast Ltd

Fishleigh Road

Roundswell Commercial Park West

Barnstaple

Devon, EX31 3UA

Tel: +44 (0)1271 378 100

Email: swimmer@goldenc.com

· Further information obtainable from: Product safety department.

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1.4 Emergency telephone number:

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

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to GB-CLP**

Ox. Liq. 3 H272 May intensify fire; oxidiser.

Acute Tox. 4 H302 Harmful if swallowed.

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements**Labelling according to GB-CLP** The product is classified and labelled according to the GB CLP regulation.**Hazard pictograms**

GHS03

GHS05

GHS07

Signal word Danger**Hazard-determining components of labelling:**

Hydrogen peroxide

Hazard statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H412 Harmful 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 clothing and other combustible materials.

P280 Wear 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.

P310 Immediately call a POISON CENTER/doctor.

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

Additional information:

Product contains: Regulated explosives precursors. Acquisition, possession or use by the general public is restricted.

Contains biocidal active substance(s): Hydrogen peroxide

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** Not applicable**Determination of endocrine-disrupting properties** Not applicable

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

· **Description:** Aqueous solution.

· **Dangerous components:**

CAS: 7722-84-1 EINECS: 231-765-0 Index number: 008-003-00-9 Reg.nr.: 01-2119485845-22-XXXX	Hydrogen peroxide ⚠ Ox. Liq. 1, H271; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412 Note: B Specific concentration limits: 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; H335: C ≥ 35 % Ox. Liq. 1; H271: C ≥ 70 % Ox. Liq. 2; H272: 50 % ≤ C < 70 % Ox. Liq. 3; H272: 20 % ≤ C < 50 %	25 – < 35%
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· **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.

· **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 rinse with water.
If skin irritation continues, consult a doctor.

· **After eye contact:**

Check for and remove any contact lenses.
Rinse opened eye for several minutes under running water. Then consult a doctor.
Notify emergency physician immediately (key words: burns in eye).

· **After swallowing:**

Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Call a doctor immediately.

· **Information for doctor:** Refer to section 11.

· **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:** Water

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For safety reasons unsuitable extinguishing agents:

Carbon dioxide
Foam
ABC powder

5.2 Special hazards arising from the substance or mixture

Strong oxidiser. Contact with combustible or flammable substances may cause fire.

In case of fire, the following can be released:

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Oxygen

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Do not inhale explosion gases or combustion gases.

Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course in the undiluted form.

6.3 Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Do not use combustible materials such as paper towels to clean up spills.

Ensure adequate ventilation.

Dilute with plenty of water.

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.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.

Store in cool, dry place in tightly closed receptacles.

Prevent formation of aerosols.

Ensure good ventilation/exhaustion at the workplace.

Conduct maintenance and other work on or in storage/reactor/mixing vessels or closed spaces ONLY under strict Permit to Work conditions.

Do not refill residue into storage receptacles.

Safety showers and eye wash facilities should be available at the work area.

Rinse contaminated clothing with plenty of water (Fire hazard)

Information about fire - and explosion protection: No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Prevent any seepage into the ground.
Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Store away from reducing agents.
Store away from oxidising agents.
Store away from flammable substances.
Do not store together with textiles.
Store away from foodstuffs.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from frost.
Store in a bunded area.
- **Storage class:** 5.1 B
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

CAS: 7722-84-1 Hydrogen peroxide

WEL	Short-term value: 2.8 mg/m ³ , 2 ppm
	Long-term value: 1.4 mg/m ³ , 1 ppm

· **DNELs**

CAS: 7722-84-1 Hydrogen peroxide

Inhalative	Long-term local effects	0.21 mg/m ³ (general population) 1.4 mg/m ³ (worker)
	Short-term local effects	1.93 mg/m ³ (general population) 3 mg/m ³ (worker)

· **PNECs**

CAS: 7722-84-1 Hydrogen peroxide

Freshwater	12.6 µg/L
Freshwater - Intermittent releases	13.8 µg/L
Marine water	12.6 µg/L
Sewage Treatment Plant	4.66 mg/L
Sediment (freshwater)	47 µg/kg
Sediment (marine water)	47 µg/kg
Soil	2.3 µg/kg

- **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:**
A safe system of work must be formulated and followed to ensure safe working with this product. Relevant workers must receive suitable and sufficient training and supervision.
Avoid contact with the eyes and skin.

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- Take note of assigned Workplace Exposure Limits.
- Do not eat, drink, smoke or sniff while working.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Contaminated clothes are a fire hazard. Rinse with plenty of water.
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Ensure that eyewash stations and safety showers are close to the workstation location.

- **Respiratory protection:**

- Use suitable respiratory protective device in case of insufficient ventilation.
- Filter NO-P3

- **Hand protection**



Protective gloves.

Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

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**

- Butyl rubber, BR
- Natural rubber, NR

- **Penetration time of glove material**

Break-through time: >480 minutes

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 conforming to EN166.

- **Body protection:**



Protective work clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

- **Environmental exposure controls** Do not let product enter drains. Risk of explosion.

- **Risk management measures** The operators shall be instructed adequately.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- | | |
|---|----------------|
| · Physical state | Liquid |
| · Colour: | Colourless |
| · Odour: | Pungent |
| · Melting point/freezing point: | Undetermined |
| · Boiling point or initial boiling point and boiling range | 150 °C |
| · Flash point: | Not applicable |
| · pH at 20 °C | 3 |
| · Viscosity: | |
| · Kinematic viscosity | Not determined |

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· Dynamic:	Not determined
· Solubility	
· water:	Fully miscible.
· Vapour pressure at 20 °C:	1.9 hPa
· Density and/or relative density	
· Density at 20 °C:	1.105 – 1.11 g/cm ³
· Particle characteristics	Not applicable
· 9.2 Other information	NOTE: The physical data presented above are typical values and should not be construed as a specification.
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not self-igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· VOC (EC)	0.00 %
· Information with regard to physical hazard classes	Not applicable
· Oxidising liquids	May intensify fire; oxidiser.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
 Decomposes on warming or under influence of light, producing oxygen.
 Oxygen released during thermal decomposition may support combustion.
 Heating will cause rise in pressure of container with risk of bursting.
- **10.3 Possibility of hazardous reactions**
 Reacts with organic substances.
 Reacts violently with many substances.
- **10.4 Conditions to avoid** Heat and static discharge.
- **10.5 Incompatible materials:**
 Combustible materials.
 Strong oxidising agents.
 Strong bases.
 Reducing agents
 Organic solvents.
 Flammable materials
 Metal salts
 Finely powdered metals.
 Impurities (risk of decomposition).
- **10.6 Hazardous decomposition products:** Oxygen

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**
 Harmful if swallowed.

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· LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	1,436.7 mg/kg (rat)
Inhalative	LC50/4 h	36.667 mg/l
CAS: 7722-84-1 Hydrogen peroxide		
Oral	LD50	431 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)
· Primary irritant effect:		
· Skin corrosion/irritation Based on available data, the classification criteria are not met.		
· Serious eye damage/irritation		
Causes serious eye damage.		
· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.		
· 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.		
· Subacute to chronic toxicity: Repeated or prolonged inhalation exposure may cause asthma.		
· Additional toxicological information:		
ROUTES OF EXPOSURE: Can be absorbed into the body by inhalation and by ingestion.		
INHALATION RISK: A harmful contamination of the air will be reached very quickly on evaporation of this substance at 20°C.		
Ingestion may produce oxygen bubbles (embolism) in the blood, resulting in shock.		
· 11.2 Information on other hazards		
· Endocrine disrupting properties		
None of the ingredients are listed.		

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:	
CAS: 7722-84-1 Hydrogen peroxide	
LC50 (96 h)	16.4 mg/l (Fish)
EC50 (72 h)	1.38 mg/l (Algae)
LC50 (48h) Acute	2.4 mg/L (Daphnia)
· 12.2 Persistence and degradability No further relevant information available.	
· 12.3 Bioaccumulative potential Product is not expected to bioaccumulate.	
· 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 1 (German Regulation) (Self-assessment): slightly hazardous for water	

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

* SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Recommended Hierarchy of Controls:

- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).

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

Contact waste processors for recycling information.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

· UK List of Waste

HP2	Oxidising
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP6	Acute Toxicity
HP8	Corrosive
HP14	Ecotoxic

· Uncleaned packaging:

· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Container remains hazardous when empty. Continue to observe all precautions.



Containers, even those that are "empty," may contain residues that can develop hazardous gases and vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Disposal must be made according to official regulations.

Do not mix with other waste streams.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	UN2014
· 14.2 UN proper shipping name	
· ADR	UN2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION
· IMDG, IATA	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
· 14.3 Transport hazard class(es)	
· ADR	
 	
· Class	5.1 (OC1) Oxidising substances.

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· Label	5.1+8
· IMDG	
	
· Class	5.1 Oxidising substances.
· Label	5.1/8
· IATA	
	
· Class	5.1 Oxidising substances.
· Label	Forbidden
· 14.4 Packing group	
· ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Oxidising substances.
· Hazard identification number (Kemler code):	58
· Emergency Action Code:	2P
· EMS Number:	F-H,S-Q
· Segregation groups	(SGG16) Peroxides
· Stowage Category	D
· Stowage Code	SW1 Protected from sources of heat.
· Segregation Code	SG16 Stow "separated from" class 4.1 SG59 Stow "separated from" SGG14-permanganates SG72 See 7.2.6.3.2.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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· UN "Model Regulation":	UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II
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SECTION 15: Regulatory information

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

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients are listed.

· **Regulated poisons**

None of the ingredients are listed.

· **Reportable explosives precursors**

None of the ingredients are listed.

· **Reportable poisons**

None of the ingredients are listed.

· **Per- and polyfluoroalkyl substances (PFAS)**

None of the ingredients are listed.

· **Control Of Major Accident Hazards Regulations 2015 (COMAH)**

· **Named dangerous substances - ANNEX I** None of the ingredients are listed.

· **COMAH category** P8

· **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

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients are listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

CAS: 7722-84-1 Hydrogen peroxide	Limit value: > 12 – ≤ 35 %	25 – < 35%
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· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients are listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H271 May cause fire or explosion; strong oxidiser.

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

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H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

· Training hints

This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

· Department issuing SDS: Product safety department.**· Date of previous version:** 12.02.2026**· Version number of previous version:** 1.0**· Abbreviations and acronyms:**

UK REACH: REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

GB CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

UFI: Unique Formula Identifier

UK- REACH: The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

GB- CLP: Retained GB CLP Regulation (EU) No. 1272/2008 as amended for Great Britain on the Classification, Labelling and Packaging of Chemicals.

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Ox. Liq. 1: Oxidizing liquids – Category 1

Ox. Liq. 3: Oxidizing liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.