

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

1.1. Product identifier

Product name - Trade name : Hydrogen peroxide 35%
 EC index no : 008-003-00-9
 EC no : 231-765-0
 CAS No. : 7722-84-1

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

1.2.1. Relevant identified uses

Main use category : Industrial use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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 3336 LH Zwijndrecht - Nederland
 T +31 (0)78 6250 000 - F +31 (0)78 6250 050
sds@univareurope.com - www.univareurope.com

1.4. Emergency telephone number

| Country | Official advisory body | Address | Emergency number |
|-------------|--|--------------------------------|------------------|
| NETHERLANDS | National Poisons Information Centre National Institute for Public Health and the Environment, NB this service is only available to health professionals | P.O. Box 1 3720 BABilthoven | +31 30 274 88 88 |

2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315
 Eye Dam. 1 H318
 STOT SE 3 H335
 Acute Tox. 4 (Oral) H302

Full text of H-phrases: see section 16.

2.1.2. Classification according to Directive 67/548/EEC or 1999/45/EC

R5
 O; R8
 C; R35
 Xn; R20/22

Full text of R-phrases: see section 16.

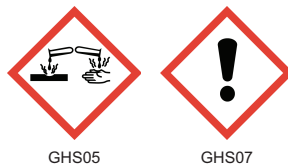
2.1.3. Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

H-Phrases :

H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H318 - Causes serious eye damage
 H335 - May cause respiratory irritation

P-phrases :

P280 - Wear protective clothing, protective gloves, eye protection, face protection.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water
 P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 - Call a POISON CENTER/doctor/physician if you feel unwell
 P330 - Rinse mouth.

2.2.2. Labelling according to Directive 67/548/EEC or 1999/45/EC

Symbol(s)

:



Xn - Harmful

Hazardous ingredients

: Hydrogen peroxide

R Phrase(s)

: R22 - Harmful if swallowed.
R37/38 - Irritating to respiratory system and skin.
R41 - Risk of serious damage to eyes.

S Phrase(s)

: S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 - Wear eye/face protection

2.3. Other hazards

No additional information available

3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|-------------------|---|------|---|
| Hydrogen peroxide | (CAS No.)7722-84-1 (EC no)231-765-0 (EC index no)008-003-00-9 | ~ 35 | R5 O; R8 C; R35 Xn; R20/22 |
| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| Hydrogen peroxide | (CAS No.)7722-84-1 (EC no)231-765-0 (EC index no)008-003-00-9 | ~ 35 | Ox. Liq. 1, H271 Skin Corr. 1A, H314 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 |

Full text of R-, H- and EUH-phrases: see section 16.

4. First aid measures

4.1. Description of first aid measures

After inhalation : Allow the affected person to rest. Remove the victim into fresh air. Seek medical advice.
After skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
After eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After swallowing : DO NOT INDUCE VOMITING. Rinse mouth. Call a physician immediately.

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

Skin contact : This material has been shown to be a severe skin irritant.
Eye contact : Severe eye irritant.
Ingestion : Irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

No additional information available

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous reactions : Reacts violently with : Bases. Reducing agents (combustibles).

5.3. Advice for firefighters

No additional information available

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Equip cleanup crew with proper protection.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers, ground and public waters. Residue may be washed down with water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.

6.4. Reference to other sections

No additional information available

7. Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.

7.3. Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- Skin protection : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn.
- Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------|------------------------------|
| Appearance | : Clear liquid. |
| Physical state | : Liquid |
| Colour | : No data available. |
| Odour | : Characteristic. |
| pH value | : 3 |
| Density | : 1.113 g/cm ³ |
| Water solubility | : Mixable in all proportions |
| Viscosity | : 2 mPa.s |

9.2. Other information

No additional information available

10. Stability and reactivity

10.1. Reactivity

Reacts violently with : Bases. Reducing agents (combustibles).

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Reducing agents. Combustibles. Bases.

10.6. Hazardous decomposition products

No additional information available

11. Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation : Causes skin irritation.
 Serious eye damage/irritation : Causes serious eye damage.
 Specific target organ toxicity (single exposure) : May cause respiratory irritation.
 Acute toxicity : Harmful if swallowed.

| Hydrogen peroxide 35% (7722-84-1) | |
|-----------------------------------|-----------------|
| ATE (oral) | 500,00000 mg/kg |

| Hydrogen peroxide (7722-84-1) | |
|-------------------------------|-----------------|
| Rat oral LD50 | 1200 mg/kg |
| LD50 dermal rat | 4060 mg/kg |
| Rat inhalation LC50 | 2 |
| ATE (oral) | 500,00000 mg/kg |

12. Ecological information

12.1. Toxicity

| Hydrogen peroxide (7722-84-1) | |
|-------------------------------|-----------|
| LC50-96 Hour - fish | 16,4 mg/l |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

| Hydrogen peroxide 35% (7722-84-1) | |
|-----------------------------------|--|
| - on soil | Dike for recovery or absorb with appropriate material. |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
 Additional information : After last use, the packing should be totally empty and closed.

14. Transport information

14.1. UN number

UN-No. : 2014

14.2. UN proper shipping name

Proper Shipping Name : HYDROGEN PEROXIDE, AQUEOUS SOLUTION
 Transport document description : UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II, (E)

14.3. Transport hazard class(es)

14.3.1. Overland transport

Class (ADR) : 5.1 - Oxidizing substances
 Hazard identification number (Kemler No.) : 58
 Classification code : OC1
 Labelling ADR : 5.1 - Oxidizer
 8 - Corrosive substances



Orange plates : 

Code tunnelrestriction (ADR) : E
 Limited quantities (ADR) : LQ10
 Excepted quantities (ADR) : E2

14.3.2. Transport by sea

No additional information available

14.3.3. Air transport

No additional information available

14.4. Packing group

Packing Group : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No additional information available

15. Regulatory information

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

15.1.1. EU-Regulations

No additional information available

15.1.2. National regulations

Water hazard class : 11 - Low toxicity to aquatic organisms
 Remediation Efforts : B - Minimize discharge; apply best available techniques

15.2. Chemical safety assessment

No additional information available

16. Other information

Further information : The contents and format of this MSDS are in accordance with regulation (EC) no. 1907/2006 of the European Parliament and Council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of Chemicals (REACH). Appendix Of the raw materials in chapter 3 at moment of reporting of this material safety data sheet, chemical safety reports have not been registered in the scope of regulation (EC) no. 1907/2006.

Hydrogen peroxide 35%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Full text of R-, H- and EUH-phrases:

| | |
|---------------------------|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhalation) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (Oral) Category 4 |
| Eye Dam. 1 | Serious Eye Damage/Irritation Category 1 |
| Ox. Liq. 1 | Oxidising liquid Category 1 |
| Skin Corr. 1A | skin corrosion/irritation Category 1A |
| Skin Irrit. 2 | skin corrosion/irritation Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H271 | May cause fire or explosion; strong oxidizer |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| R20/22 | Harmful by inhalation and if swallowed. |
| R35 | Causes severe burns |
| R5 | Heating may cause an explosion. |
| R8 | Contact with combustible material may cause fire. |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.