

Väteperoxid/Hydrogenperoxid/Hydrogen peroxide 20 -<35%

Version 4.0

Effective date: 28-02-2022

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: Väteperoxid/Hydrogenperoxid/Hydrogen peroxide 20 -<35%

Formula: H₂O₂.

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

Product use: Professional use.
Electronics chemical.

1.3 Details of the supplier of the safety data sheet

Company: Sunchem AB
Box 69
S-433 21 Partille
Sverige
T +46 31 44 73 10 F
+46 31 44 95 81
www.sunchem.se

Contact: info@sunco.se

1.4 Emergency telephone number:

Use your national or local emergency number.
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No. 1272/2008/GB CLP. Acute Tox. 4; H302, Eye Dam. 1; H318.

2.2 Label elements CLP No. 1272/2008/GB CLP.

Hazard pictograms:



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Signal word: Danger**Contains:** Hydrogen peroxide 20-<30 %.**Hazard statements:**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Precautionary statements:

General:

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Prevention:

P280 Wear protective gloves and eye protection.

Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage:

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Disposal:

-

Additional labelling:

-

2.3 Other hazards.

This mixture does not meet the criteria for PBT or vPvB according to regulation 1907/2006 REACH, annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substance:

The product is a mixture.

3.2 Mixture:

CAS/EC-no.	REACH-no.	Name	Content %	Classification CLP
7722-84-1 / 231-765-0	01- 211948584522	Hydrogen peroxide%*	30	Ox. Liq. 1; H271, Acute Tox. 4; H302+ H332, Skin Corr. 1A; H314.

**Specific concentration limits Hydrogen peroxide – CAS 7722-84-1:
STOT SE 3; H335; C ≥ 35 %

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Eye Dam. 1; H318: 8 % ≤ C < 50 %

Eye Irrit. 2; H319: 5 % ≤ C < 8 %

Ox. Liq. 1; H271: C ≥ 70 %

Skin Corr. 1A; H314: C ≥ 70 %

Skin Corr. 1B; H314: 50 % ≤ C < 70 %

Skin Irrit. 2; H315: 35 % ≤ C < 50 %

See full text of H-phrases in section 16. Occupational limits, where applicable, are listed in section 8.

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures**

General information:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor if you feel unwell.
Inhalation:	Call a Poison Centre or doctor if you feel unwell. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact:	Wash with plenty of soap and water. Take off immediately all contaminated clothing. Get medical attention if irritation develops.
Eye contact:	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.
Ingestion:	Rinse nose, mouth and throat with water. Contact a physician if large amounts is consumed. Never give anything by mouth to unconscious persons.

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

Symptoms/effects after inhalation: May cause drowsiness or dizziness.

Inhalation of mist may cause respiratory irritation.

Symptoms/effects after skin contact: May cause skin irritation.

Symptoms/effects after eye contact: Causes serious eye damage.

Symptoms/effects after swallowing: Harmful if swallowed. Ingestion may cause nausea, vomiting and diarrhea.

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

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES**5.1 Extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.**Extinguishing media which must not be used for safety reasons:**

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Water jets should not be used, since they can spread the fire.

5.2 Special hazards arising from the substance or mixture:

May intensify fire. Oxidizing. Emits mild oxygen and can sustain fire.
In case of fire can toxic gases be formed: carbon monoxide (CO, CO₂).

5.3 Advice for firefighters:

Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray to keep fire-exposed containers cool.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin, eyes and clothes. Keep unprotected persons away. Ensure adequate ventilation, especially in confined areas. Do not breathe vapor or mist.

6.2 Environmental precautions:

Prevent undiluted entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).
Large spills: Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. Never return spills to original containers for re-use. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

6.4 Reference to other sections:

See section 8 for personal protection.

See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapor/mist. Provide adequate ventilation of the work area. Use only outdoors or in a well-ventilated area.

Hygiene measures:

Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original container protected from direct sunlight in a dry, cool and

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well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Protect from direct sunlight.

7.3 Specific end use(s): See section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
Occupational exposure limits EH40:

CAS-no:	Name:	Limits 8 h:	Limits 15 min.:	Ref./comments:
7722-88-5	Hydrogen peroxide	1 ppm 1.4 mg/m	2 ppm 2.8 mg/m	EH40/-

DNEL / PNEC:

-

8.2 Exposure controls.
Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

General information:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Always wash hands, forearms and face. Make sure that eyewash and emergency showers are clearly marked and available. Avoid contact with skin and eyes. Avoid breathing mist/vapors.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

In case of inadequate ventilation, use respiratory protection with filter B – EN 149:2001 + A1:2009.

Hand protection:

If there is a risk of skin contact, wear suitable protective gloves. Natural rubber. PVC. Butyl rubber. Breakthrough time: 6 (≥480 minutes). Thickness: 0.2-0.4 mm. STANDARD EN 374.

Eye protection:

Tightly fitting safety goggles. EN 166.

Body protection:

Impervious working clothes.

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Measures to avoid environmental exposure:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties.
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a	Physical state	Liquid
b	Colour	Colourless
c	Odour/odour threshold	Mild
d	Melting point/Freezing point	-28 - -38°C
e	Initial boiling point/boiling range	106 - 152°C
f	Flammability (solid, gas)	No data available/not applicable
g	Lower and upper explosion limit	No data available/not applicable
h	Flash point	No data available/not applicable
i	Auto-ignition temperature	No data available/not applicable
j	Decomposition temperature	No data available/not applicable
k	pH	2-4
l	Kinematic viscosity	1,24 mPa s
m	Solubility	No data available/not applicable
n	Partition coefficient (n-octanol/water)	No data available/not applicable
o	Vapour pressure	2,34 kPa
p	Density and/or relative density	1,13 -1,4 g/cm ³
q	Relative vapour density	No data available/not applicable
r	Particle characteristics	No data available/not applicable

9.2 Other information
9.2.1 Information with regard to physical hazard classes

This product is not classified as oxidizing at 30% (See Specific classification limits in Section 3)

Explosive properties: The product is not explosive.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use and storage.

10.2 Chemical stability: Stable under normal storage conditions.

10.3 Possibility of hazardous reactions:

None known if used and storage as recommended.

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10.4 Conditions to avoid: Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials: Alkaloids. Combustible materials. Organic materials. Reducing substances. Oxidizing agents. Alkali / bases. Alkaline metals.

10.6 Hazardous decomposition products:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity: Harmful if swallowed.

Product ATE:
Oral: 1666.67 mg/kg

Hydrogen peroxide...% - CAS 7722-84-1:
Oral – LD50 – Rat: 1518 mg/kg
Dermal – LD50 – Rat: 3000 mg/kg

Skin corrosion/irritation: Not classified.
pH 2 – 4.

Serious eye damage/irritation: Causes serious eye damage. pH
2 – 4.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity – repeated exposure:
Not classified.

Aspiration hazard: Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:
The product/substance has no endocrine disrupting properties.

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Additional information: -**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity:** Not classified harmful to the environment.

Hydrogen peroxide...% - CAS 7722-84-1:

Fish – LC50 – 96 h.: 16h4 mg/L

Daphnia – EC50 – 48 h.: 2.4 mg/L

12.2 Persistence and degradability:

Hydrogen peroxide...% - CAS 7722-84-1:

Readily biodegradable .

12.3 Bioaccumulative potential:

Hydrogen peroxide...% - CAS 7722-84-1: No

known potential.

12.4 Mobility in soil:

The product contains substances that are water-soluble and can be spread in the aquatic environment.

12.5 Result of PBT and vPvB assessment:

This mixture does not meet the criteria for PBT or vPvB according to regulation 1907/2006 REACH, annex XIII.

12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects:

None known.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods:**

Avoid release to the environment. This product is hazardous waste.

Dispose in a safe manner in accordance with local/national regulations. The coding of a waste stream is based on the application of the product by the consumer – end-user.

Option:

EWC-Code:

16 09 03* peroxides, for example hydrogen peroxide.

Contaminated packing:

Properly cleaned container is disposed of according to packaging material, otherwise:

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15 01 10* packaging containing residues of or contaminated by dangerous substances.

SECTION 14. TRANSPORT INFORMATION

This product is classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number	2014	2014
14.2 UN proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
14.3 Transport hazard class(es)	5.1 (8)	5.1 (8)
14.4 Packing group	II	II
14.5 Environmental hazards - MP	No F-H, S-Q	NO F-H, S-Q
Other informations	LQ: 1 L. Tunnel: E	LQ: 1 L. Tunnel: E

14.6 Special precautions for user:

Not relevant.

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

Not relevant.

SECTION 15. REGULATORY INFORMATION
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries,

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Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. EU No. 2020/878. CLP No. 1272/2008. GB CLP.

Additional information: People under the age of 18 must not be exposed to this product. Council Directive 94/33/EC.

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 2/3:

H271 May cause fire or explosion; strong oxidizer.

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

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.

Additional information:

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.

Validated by:

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