



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## Hydrogen peroxide 35% - <50%

Version number: 10.1  
Replaces version of: 2018-06-22 (10)

Revision: 2019-02-01  
First version: 01.04.2006

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

#### 1.1 Product identifier

Trade name	<u>Hydrogen peroxide 35% - &lt;50%</u>
Registration number (REACH)	not relevant (mixture)
CAS number	not relevant (mixture)

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

Relevant identified uses	Chemicals for various applications Laboratory chemicals Metal working Oxidizing agent Bleaching agent Textile auxiliary Paper industry
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#### 1.3 Details of the supplier of the safety data sheet

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42285 Wuppertal  
Germany

**e-mail (competent person)** [sdb@csb-online.de](mailto:sdb@csb-online.de)

Please do not use this e-mail adress to ask for the latest safety data sheet. For this purpose contact BERGCHEMIE J.C.Bröcking & Co. GmbH.

#### 1.4 Emergency telephone number

As above or next toxicological information centre.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
3.10	acute toxicity (oral)	4	Acute Tox. 4	H302
3.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332

# Hydrogen peroxide 35% - <50%

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335

for full text of abbreviations: see SECTION 16

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 (CLP)

**Signal word** danger

### Pictograms

**GHS05, GHS07**



### Hazard statements

**H302+H332** Harmful if swallowed or if inhaled.  
**H315** Causes skin irritation.  
**H318** Causes serious eye damage.  
**H335** May cause respiratory irritation.

### Precautionary statements

**P221** Take any precaution to avoid mixing with combustibles.  
**P261** Avoid breathing dust/fume/gas/mist/vapours/spray.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.  
**P304+P340** IF INHALED: Remove person to fresh air and keep 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.  
**P310** Immediately call a POISON CENTER/doctor.

**Hazardous ingredients for labelling** hydrogen peroxide

## 2.3 Other hazards

### Warning.

**Wasserstoffperoxid ist ein starkes Oxidationsmittel.**

**Bei Erhitzen o. Berührung mit unverträglichen Stoffen (wie Metallsalzen, Alkalien, Reduktionsmitteln o. sonstigen Verunreinigungen) besteht die Gefahr der Zersetzung mit Freisetzung von (Brand anfachendem) Sauerstoffgas:**

- Überdruckbildung / Berstgefahr in geschlossenen Behältern u. Rohrleitungen.
- Brandgefahr mit organischen Materialien (Holz, Papier) / Explosionsgefahr mit organischen Lösungsmitteln.

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## Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.




## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

Hazardous ingredients							
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits	M-Factors
hydrogen peroxide	CAS No 7722-84-1  EC No 231-765-0  REACH Reg. No 01-211948584-5-22	35 – < 50	Ox. Liq. 1 / H271 Acute Tox. 4 / H302 Acute Tox. 4 / H332 Skin Corr. 1A / H314 Eye Dam. 1 / H318 STOT SE 3 / H335 Aquatic Chronic 3 / H412	  	B(a) GHS- HC	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; H335: C ≥ 35 % Aquatic Chronic 3; H412: C ≥ 63 %	

#### Notes

B(a): The classification refers to an aqueous solution

GHS- Harmonised classification (the classification of the substance corresponds to the entry in the list according to

HC: 1272/2008/EC, Annex VI)

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Self-protection of the first aider.

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

Take off immediately all contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air.

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

In case of respiratory tract irritation, consult a physician.

#### Following skin contact

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

#### Following eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### Following ingestion

Rinse mouth. Do not induce vomiting.

Call a physician immediately.

#### Notes for the doctor

none

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

Headache.

Malaise.

Cough, pain, choking, and breathing difficulties.

Skin corrosion/irritation.

Risk of serious damage to eyes.

Gastrointestinal complaints.

Risk of blindness.

Pulmonary oedema.

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

Subsequent observance for pneumonia and pulmonary oedema.

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.

Danger of bursting container.

Spontaneous decomposition of the material.

Oxidising property.

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Co-ordinate firefighting measures to the fire surroundings.

Do not allow firefighting water to enter drains or water courses.

Collect contaminated firefighting water separately.

Fight fire with normal precautions from a reasonable distance.

#### Special protective equipment for firefighters

use suitable breathing apparatus

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Remove persons to safety.

Ventilate affected area.

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

Keep wetted with water.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

#### Advices on how to clean up a spill

Collect spillage.

Kieselgur (diatomite).

Sand.

Universal binder.

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## **Appropriate containment techniques**

Use of adsorbent materials.

## **Other information relating to spills and releases**

Place in appropriate containers for disposal.

Ventilate affected area.

## **6.4 Reference to other sections**

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Measures to prevent fire as well as aerosol and dust generation**

Take any precaution to avoid mixing with combustibles.

#### **Specific notes/details**

None.

#### **Handling of incompatible substances or mixtures**

##### **Keep away from**

caustic solutions, alkalis, organic materials, combustible materials, reducing agents, pulp/paper, organic absorbing material

#### **Measures to protect the environment**

Avoid release to the environment.

#### **Advice on general occupational hygiene**

Do not eat, drink and smoke in work areas.

Wash hands after use.

Preventive skin protection (barrier creams/ointments) is recommended.

Remove contaminated clothing and protective equipment before entering eating areas.

Take off immediately all contaminated clothing.

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

#### **Flammability hazards**

None.

#### **Incompatible substances or mixtures**

Incompatible materials: see section 10.

Observe hints for combined storage.

#### **Protect against external exposure, such as**

frost

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## Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

Avoid contact with skin and eyes.

Do not keep the container sealed - Danger of bursting container.

## Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted.

Provision of sufficient ventilation.

## Specific designs for storage rooms or vessels

**Storage temperature** recommended storage temperature: 10 - 30 °C

## Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

Packaging materials:

- Aluminium 99,5 %
- rostfreier Stahl 304L / 316L
- zugelassene HDPE-Qualitäten.

## 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Notation	Source
GB	hydrogen peroxide	7722-84-1	WEL	1	1.4	2	2.8		EH40/2005

#### Notation

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
hydrogen peroxide	7722-84-1	DNEL	3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
hydrogen peroxide	7722-84-1	DNEL	1.4 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects

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Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
hydrogen peroxide	7722-84-1	DNEL	1.93 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	acute - local effects
hydrogen peroxide	7722-84-1	DNEL	0.21 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	chronic - local effects

Relevant PNECs of components of the mixture				
Name of substance	CAS No	Endpoint	Threshold level	Environmental compartment
hydrogen peroxide	7722-84-1	PNEC	0.013 mg/l	freshwater
hydrogen peroxide	7722-84-1	PNEC	0.013 mg/l	marine water
hydrogen peroxide	7722-84-1	PNEC	0.047 mg/kg	freshwater sediment
hydrogen peroxide	7722-84-1	PNEC	0.047 mg/kg	marine sediment
hydrogen peroxide	7722-84-1	PNEC	0.002 mg/kg	soil
hydrogen peroxide	7722-84-1	PNEC	4.66 mg/l	sewage treatment plant (STP)
hydrogen peroxide	7722-84-1	PNEC	0.013 mg/l	water

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

Protective gloves		
Material	Material thickness	Breakthrough times of the glove material
IIR: isobutene-isoprene (butyl) rubber	≥ 0,7 mm	>480 minutes (permeation: level 6)
NBR: acrylonitrile-butadiene rubber	≥ 0,7 mm	>480 minutes (permeation: level 6)
FKM: fluoro-elastomer	≥ 0,65 mm	>480 minutes (permeation: level 6)
NR: natural rubber, latex	≥ 1 mm	>60 minutes (permeation: level 3)



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<b>Protective gloves</b>		
Material	Material thickness	Breakthrough times of the glove material
PVC: polyvinyl chloride	these information are not available	these information are not available

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

Type: NO-P3 (against nitrous gases and particles, colour code: Blue/White).

### **Environmental exposure controls**

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

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

#### **Appearance**

Physical state	liquid
Form	fluid
Colour	colourless
Odour	pungent
Odour threshold	these information are not available

#### **Other safety parameters**

pH (value)	2 (water: 500 g/l, 21 °C)
Melting point/freezing point	-52 °C
Initial boiling point and boiling range	114 °C
Flash point	not applicable
Evaporation rate	these information are not available
Flammability (solid, gas)	not relevant (fluid)

#### **Explosive limits**

<b>Lower explosion limit (LEL)</b>	these information are not available
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<b>Upper explosion limit (UEL)</b>	these information are not available
Vapour pressure	1 hPa at 30 °C
Density	1.19 g/cm <sup>3</sup> at 20 °C
Vapour density	these information are not available
Relative density	these information are not available
<b>Solubility(ies)</b>	
<b>Water solubility</b>	miscible in any proportion
<b>Partition coefficient</b>	
n-octanol/water (log KOW)	-1.57 (H2O2)
<b>Soil organic carbon/water (log KOC)</b>	0.2 ((SAR))
Auto-ignition temperature	these information are not available
Relative self-ignition temperature for solids	not relevant (Fluid)
Decomposition temperature	>60 °C
<b>Viscosity</b>	
<b>Kinematic viscosity</b>	these information are not available
<b>Dynamic viscosity</b>	1.17 mPa s at 20 °C
Explosive properties	not explosive
Oxidising properties	oxidiser shall not be classified as oxidising
<b>9.2 Other information</b>	
<b>Surface tension</b>	75.68 N/m (20 °C, 50 vol%)

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

The mixture contains reactive substance(s).  
Strong oxidisers.

#### 10.2 Chemical stability

Exothermic decomposition.  
Risk of exothermic decomposition at elevated temperatures, contact with other substances (such as acids, heavy-metal compounds or amines), friction or shock.

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## 10.3 Possibility of hazardous reactions

Risk of vigorous reaction, ignition and explosion in contact with combustible or flammable substances.  
Dangerous/dangerous reactions with.  
Organic substances.  
Dust.  
Street-cleaning residues.  
Wood.  
Paper and cardboard.  
Edible oil and fat.  
Heavy metals and their salts.  
Alkalis.

## 10.4 Conditions to avoid

Keep away from heat.  
UV-radiation/sunlight.

## 10.5 Incompatible materials

Combustible materials, keep away from acids, alkalis, heavy metal salts and reducing substances, keep away from metal salts

## 10.6 Hazardous decomposition products

Oxygen.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Classification procedure

If not otherwise specified the classification is based on:  
Ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

#### Acute toxicity

Shall not be classified as acutely toxic (dermal).  
Harmful if swallowed.  
Harmful if inhaled.

#### Acute toxicity estimate (ATE)

**Oral** 870.7 mg/kg  
**Inhalation: dust/mist** 3 mg/l/4h

Acute toxicity					
Exposure route	Endpoint	Value	Species	Method	Source
oral	LD50	>500 mg/kg	rat		
dermal	LD50	>4,000 mg/kg	rabbit		

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<b>Acute toxicity estimate (ATE) of components of the mixture</b>			
<b>Name of substance</b>	<b>CAS No</b>	<b>Exposure route</b>	<b>ATE</b>
hydrogen peroxide	7722-84-1	oral	417 mg/kg
hydrogen peroxide	7722-84-1	inhalation: vapour	11 mg/l/4h
hydrogen peroxide	7722-84-1	inhalation: dust/mist	1.5 mg/l/4h

<b>Acute toxicity of components of the mixture</b>							
<b>Name of substance</b>	<b>CAS No</b>	<b>Exposure route</b>	<b>End-point</b>	<b>Value</b>	<b>Species</b>	<b>Method</b>	<b>Source</b>
hydrogen peroxide	7722-84-1	oral	LD50	1,193 mg/kg	rat, male	US EPA Guidelines (PB82 - 232984, August 1982)	ECHA
hydrogen peroxide	7722-84-1	dermal	LD50	>2,000 mg/kg	rabbit	OECD Guideline 402	ECHA

### **Skin corrosion/irritation**

Causes skin irritation.

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### **Respiratory sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### **Germ cell mutagenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### **Carcinogenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### **Reproductive toxicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

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### Specific target organ toxicity - single exposure

May cause respiratory irritation.

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

Test data are not available for the complete mixture.

Based on available data, the classification criteria are not met.

Aquatic toxicity (acute)					
Endpoint	Value	Species	Method	Source	Exposure time
LC50	16.4 mg/l	fathead minnow (pimephales promelas)			96 h
LC50	27.4 mg/l	fish			96 h
EC50	2.4 mg/l	daphnia pulex			48 h
EC50	2.5 mg/l	algae (Chlorella vulgaris)			72 h
EC50	7.7 mg/l	benthic organisms			24 h

#### Aquatic toxicity (acute) of components of the mixture

Aquatic toxicity (acute) of components of the mixture							
Name of substance	CAS No	Endpoint	Value	Species	Method	Source	Exposure time
hydrogen peroxide	7722-84-1	LC50	2.4 mg/l	daphnia pulex		ECHA	48 h
hydrogen peroxide	7722-84-1	LC50	16.4 mg/l	fathead minnow (pimephales promelas)		ECHA	96 h

#### Aquatic toxicity (chronic)

Test data are not available for the complete mixture.

Based on available data, the classification criteria are not met.

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Aquatic toxicity (chronic)					
Endpoint	Value	Species	Method	Source	Exposure time
NOEC	0.63 mg/l	daphnia magna			21 d

### Aquatic toxicity (chronic) of components of the mixture

Aquatic toxicity (chronic) of components of the mixture							
Name of substance	CAS No	Endpoint	Value	Species	Method	Source	Exposure time
hydrogen peroxide	7722-84-1	NOEC	0.63 mg/l	daphnia magna		ECHA	21 d
hydrogen peroxide	7722-84-1	NOEC	0.63 mg/l	algae	Paris Commission guidelines (1990) for testing of offshore chemicals and drilling muds	ECHA	72 h
hydrogen peroxide	7722-84-1	LOEC	1.25 mg/l	daphnia magna		ECHA	21 d

## 12.2 Persistence and degradability

### Biodegradation

The relevant substances of the mixture are readily biodegradable.

### Persistence

Data are not available.

## 12.3 Bioaccumulative potential

Data are not available.

## 12.4 Mobility in soil

Koc: 1,58

Log Koc: 0,2

Methode: Struktur-Aktivitäts-Beziehung (SAR).

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## 12.6 Other adverse effects

Data are not available.

### Endocrine disrupting potential

None of the ingredients are listed.

# Hydrogen peroxide 35% - <50%

## Remarks

Wassergefährdungsklasse, WGK (water hazard class): 1

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself.

## Remarks


Please consider the relevant national or regional provisions.

## SECTION 14: Transport information


14.1	UN number	2014.
14.2	UN proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
14.3	Transport hazard class(es)	
	Class	5.1
	Subsidiary risk(s)	8 (corrosive effects)
14.4	Packing group	II
14.5	Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations
14.6	Special precautions for user	
		Provisions for dangerous goods (ADR) should be complied within the premises.
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code	
		The cargo is not intended to be carried in bulk.
14.8	<u>Information for each of the UN Model Regulations</u>	
	<b>Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).</b>	
	UN number	2014
	Proper shipping name	UN2014, HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II, (E)
	Class	5.1

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Classification code	OC1
Packing group	II
Danger label(s)	5.1+8
	
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
Transport category (TC)	2.
Tunnel restriction code (TRC)	E
Hazard identification No	58
Emergency Action Code	2P

### International Maritime Dangerous Goods Code (IMDG)

UN number	2014
Proper shipping name	UN2014, HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II
Class	5.1
Subsidiary risk(s)	8
Marine pollutant	-
Packing group	II
Danger label(s)	5.1+8
	
Special provisions (SP)	-
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
EmS	F-H, S-Q
Stowage category	D
Segregation group	16 - Peroxides.

### International Civil Aviation Organization (ICAO-IATA/DGR)

#### **Carriage prohibited.**

**(Hydrogen peroxide solution  $\geq 40\%$ : IATA-C + IATA-P = Transport prohibited!).**



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## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

#### Restrictions according to REACH, Annex XVII

none of the ingredients are listed

Dangerous substances with restrictions (REACH, Annex XVII)			
Name of substance	Name acc. to inventory	CAS No	Restriction
Hydrogen peroxide 35% - <50%	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3

#### Legend

- R3
1. Shall not be used in:
    - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
    - tricks and jokes,
    - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
  2. Articles not complying with paragraph 1 shall not be placed on the market.
  3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
    - can be used as fuel in decorative oil lamps for supply to the general public, and,
    - present an aspiration hazard and are labelled with R65 or H304,
  4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
  5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
    - (a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
    - (b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
    - (c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
  6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.
  7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

#### List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

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## Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

## Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

none of the ingredients are listed

## Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

## Regulation 648/2004/EC on detergents

Labelling of contents	
Wt%	Constituents
≥30%	oxygen-based bleaching agents

## Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

none of the ingredients are listed

## Regulation 98/2013/EU on the marketing and use of explosives precursors

none of the ingredients are listed

**Störfall-Verordnung - 12. BImSchV (Hazardous Incident Ordinance)** Nicht unterstellt.

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier. Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

Indication of changes: Section 1, 15

### Abbreviations and acronyms

## Hydrogen peroxide 35% - <50%

<b>Abbreviations and acronyms</b>	
<b>Abbr.</b>	<b>Descriptions of used abbreviations</b>
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
Ox. Liq.	Oxidising liquid
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration

## Hydrogen peroxide 35% - <50%

<b>Abbreviations and acronyms</b>	
<b>Abbr.</b>	<b>Descriptions of used abbreviations</b>
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

<b>List of relevant phrases (code and full text as stated in chapter 2 and 3)</b>	
<b>Code</b>	<b>Text</b>
H271	May cause fire or explosion; strong oxidiser.
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.

## Hydrogen peroxide 35% - <50%

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List of relevant phrases (code and full text as stated in chapter 2 and 3)	
Code	Text
H412	Harmful to aquatic life with long lasting effects.

### Responsible for the safety data sheet

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### Disclaimer

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.