

AAHAYKO22061 - HYDROGEN PEROXIDE 20 VOL NOT PERFUMED BULK  
1000 KG

## Safety data sheet

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

#### 1.1. Product identifier

Code: ZZOXY80002  
Product name: AAHAYKO22061 HYDROGEN PEROXIDE 20 VOL NOT PERFUMED BULK 1000 KG

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

Intended use: cosmetic use

Identified Uses	Industrial	Professional	Consumer
Cosmetic Professiona Use	-	✓	-
Cosmetic no professional Use	-	-	✓

#### 1.3. Details of the supplier of the safety data sheet

Name: PETTENON COSMETICS s.p.a.  
Full address: Via del Palù nr. 7/D  
District and Country: 35018 San Martino di Lupari (PD)  
ITALIA  
Tel.: +39(0)4999888  
Fax.: +39(0) 049998809

e-mail address of the competent person responsible for the Safety Data Sheet  
Product distribution by

safetydoc@pettenon.it  
PETTENON COSMETICS s.p.a.

#### 1.4. Emergency telephone number

For urgent inquiries refer to

Pavia 0382/24444;  
Milano 02/66101029;  
Bergamo 800 883300;  
Firenze 055/7947819;  
Roma Gemelli 06/3054343;  
Roma Umberto I 06/49978000;  
Napoli 081/7472870;

### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eye irritation.

#### 2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

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Signal words: Warning

Hazard statements:

**H319** Causes serious eye irritation.

Precautionary statements:

**P264** Wash . . . thoroughly after handling.

**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.

**P337+P313** If eye irritation persists: Get medical advice / attention.

### 2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

## SECTION 3. Composition/information on ingredients.

### 3.1. Substances.

Information not relevant.

### 3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 1272/2008 (CLP).
<b>HYDROGEN PEROXIDE SOLUTION</b>		
CAS. 7722-84-1	5 - 8	Ox. Liq. 1 H271, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Note B
EC. 231-765-0		
INDEX. 008-003-00-9		
Reg. no. 01-2119485845-22-0001		

Note: Upper limit is not included into the range.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## SECTION 4. First aid measures.

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AAHAYKO22061 - HYDROGEN PEROXIDE 20 VOL NOT PERFUMED BULK  
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EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

**SECTION 5. Firefighting measures.****5.1. Extinguishing media.****SUITABLE EXTINGUISHING EQUIPMENT**

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

**5.2. Special hazards arising from the substance or mixture.****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

**5.3. Advice for firefighters.****GENERAL INFORMATION**

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**SECTION 6. Accidental release measures.**

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Block the leakage if there is no hazard.

Wear 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. These indications apply for both processing staff and those involved in emergency procedures.

**6.2. Environmental precautions.**

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

**6.3. Methods and material for containment and cleaning up.**

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**6.4. Reference to other sections.**

Any information on personal protection and disposal is given in sections 8 and 13.

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

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

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

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

**7.3. Specific end use(s).**

Information not available.

**SECTION 8. Exposure controls/personal protection.****8.1. Control parameters.**

Regulatory References:

AUS	Österreich	Grenzwerteverordnung 2011 - GKV 2011
BEL	Belgique	AR du 11/3/2002. La liste est mise à jour pour 2010
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012

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FRA France JORF n°0109 du 10 mai 2012 page 8773 texte n° 102  
 GRB United Kingdom EH40/2005 Workplace exposure limits  
 IRL Éire Code of Practice Chemical Agent Regulations 2011  
 TLV-ACGIH ACGIH 2014

**HYDROGEN PEROXIDE SOLUTION**

**Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
MAK	AUS	1,4	1	2,8	2
VLEP	BEL	1,4	1		
MAK	DEU	0,71	0,5	0,71	0,5
VLEP	FRA	1,5	1		
WEL	GRB	1,4	1	2,8	2
OEL	IRL	1,5	1	3	2
TLV-ACGIH		1,4	1		

Predicted no-effect concentration - PNEC.

Normal value in fresh water	0,0126	mg/l
Normal value in marine water	0,0126	mg/l
Normal value for fresh water sediment	0,47	mg/kg
Normal value for marine water sediment	0,47	mg/kg
Normal value for the terrestrial compartment	0,0023	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers.			Effects on workers			Chronic local	Chronic systemic
	Acute local	Acute systemic	Chronic local	Acute local	Acute systemic	Chronic local		
Inhalation.	1,93 mg/m3	VND	0,21 mg/m3	VND	3 mg/m3	VND	VND	1,4 mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

**8.2. Exposure controls.**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

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If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS.**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**SECTION 9. Physical and chemical properties.****9.1. Information on basic physical and chemical properties.**

Appearance	dense liquid
Colour	white
Odour	characteristic
Odour threshold.	Not available.
pH.	3.0 - 3.5
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1,010 - 1,020
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	900 - 1200 cps
Explosive properties	Not available.
Oxidising properties	Not available.

**9.2. Other information.**

VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0
% equivalent active oxygen (%m/m)	6.0 +/- 0.5

**SECTION 10. Stability and reactivity.****10.1. Reactivity.**

HYDROGEN PEROXIDE SOLUTION: decomposes rapidly with risk of explosion due to the effect of light, heat and contact with alkaline metals.

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Information not available.

**10.3. Possibility of hazardous reactions.**

The product may react violently with water.

**10.4. Conditions to avoid.**

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

HYDROGEN PEROXIDE SOLUTION: exposure to light, heat and alkaline substances.

**10.5. Incompatible materials.**

HYDROGEN PEROXIDE SOLUTION: flammable substances, acetone, ethanol, glycerol, organic sulphides, hydrated bases, oxidisable materials, iron, copper, bronze, chromium, zinc, lead, silver, manganese and acetic acid.

**10.6. Hazardous decomposition products.**

Information not available.

**SECTION 11. Toxicological information.****11.1. Information on toxicological effects.**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

**HYDROGEN PEROXIDE**

Tossicità a dose ripetuta

- Orale, Esposizione prolungata , topo, Tratto gastrointestinale 300 ppm(m), LOAEL
- Orale, Esposizione prolungata , topo, 100 ppm , NOAEL
- Inalazione, Esposizione ripetuta , ratto, Sistema respiratorio  $\geq$  10 ppm(m), LOAEL
- Inalazione, Esposizione prolungata , ratto, 2 ppm , NOAEL

Mutagenicità

- Test in vitro hanno rivelato effetti mutagenici.
- Test su animali non hanno rivelato nessun effetto mutagenico.
- Non classificato a causa di dati non conclusivi.

Cancerogenicità

- Orale, Esposizione prolungata, topo, Organi bersaglio: Duodeno, effetti cancerogeni
- Dermico, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Inalazione, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Non classificato a causa di dati non conclusivi.

Tossicità per la riproduzione

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- La sostanza è biotrasformata completamente (metabolizzata).
- studio scientificamente ingiustificato

## HYDROGEN PEROXIDE SOLUTION

LD50 (Oral).1193 mg/kg Rat

at the concentration of 35%

LD50 (Dermal).&gt; 2000 mg/kg rabbit

LC50 (Inhalation).&gt; 0,17 mg/l rat

**SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

**12.1. Toxicity.**HYDROGEN PEROXIDE  
SOLUTION

LC50 - for Fish. &gt; 16,4 mg/l/96h piscis

EC50 - for Crustacea. &gt; 2,4 mg/l/48h dafnia

EC50 - for Algae / Aquatic  
Plants. 4,3 mg/l/72h

Chronic NOEC for Fish. 4,3 mg/l

Chronic NOEC for 1 mg/l

Crustacea.

Chronic NOEC for Algae / 0,1 mg/l

Aquatic Plants.

**12.2. Persistence and degradability.**HYDROGEN PEROXIDE  
SOLUTION

Solubility in water. 100000 mg/l

Rapidly biodegradable.

**12.3. Bioaccumulative potential.**HYDROGEN PEROXIDE  
SOLUTIONPartition coefficient: n-  
octanol/water. -1,57**12.4. Mobility in soil.**HYDROGEN PEROXIDE  
SOLUTIONPartition coefficient: 0,2  
soil/water.**12.5. Results of PBT and vPvB assessment.**



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On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects.**

Information not available.

**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information.****14.1. UN number.**

Not applicable.

**14.2. UN proper shipping name.**

Not applicable.

**14.3. Transport hazard class(es).**

Not applicable.

**14.4. Packing group.**

Not applicable.

**14.5. Environmental hazards.**

Not applicable.

**14.6. Special precautions for user.**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.**

Information not relevant.

**SECTION 15. Regulatory information.****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso category.                      Cosmetic product, not relevant

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.  
Point.                                      3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment.**

No chemical safety assessment has been processed for the mixture and the substances it contains.

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Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Ox. Liq. 1</b>	Oxidising liquid, category 1
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Skin Corr. 1A</b>	Skin corrosion, category 1A
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>H271</b>	May cause fire or explosion; strong oxidiser.
<b>H302</b>	Harmful if swallowed.
<b>H332</b>	Harmful if inhaled.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H335</b>	May cause respiratory irritation.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament

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9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

02 / 12.