

Creation Date 28-Oct-2009 Revision Date 25-Mar-2014 Revision Number 7

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

1.1. Product identifier

Product Description: Hydrogen peroxide 20-35wt% solution in water

Cat No.: 411880000; 411880010; 411880025; 411881000; 411885000

Synonyms Hydrogen Dioxide; Peroxide; Carbamide Peroxide

CÁS-No 7722-84-1 **EC-No**. 231-765-0

Reach Registration Number -

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

Recommended Use Laboratory chemicals

Sector of use SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

Product category PC21 - Laboratory chemicals

Process categories PROC15 - Use as a laboratory reagent

Environmental release category ERC6a - Industrial use resulting in manufacture of another substance (use of intermediates)

Uses advised against No Information available

1.3. Details of the supplier of the safety data sheet

Company Acros Organics BVBA

Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

1.4. Emergency telephone number

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99 **CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008

Physical hazards

Based on available data, the classification criteria are not met

Health hazards

Acute oral toxicity Category 4
Serious Eye Damage/Eye Irritation Category 1

Environmental hazards

Chronic aquatic toxicity Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Symbol(s) Xn - Harmful

SECTION 2: HAZARDS IDENTIFICATION

R-phrase(s)

R22 - Harmful if swallowed

R41 - Risk of serious damage to eyes

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

2.2. Label elements



Signal Word

Danger

Hazard Statements

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

2.3. Other hazards

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Component	CAS-No	EC-No.	Weight %	CLP Classification - Regulation (EC) No 1272/2008	DSD Classification - 67/548/EEC
Hydrogen peroxide	7722-84-1	231-765-0	25-35	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)	R5 O; R8 Xn; R20/22 C; R35
Water	7732-18-5	231-791-2	65-75	-	-

Reach Registration Number	

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

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General Advice If symptoms persist, call a physician.

Eye ContactRinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain

medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.

Protection of First-aiders Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination

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

Causes eye burns.

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

Notes to Physician Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Extinguishing media which must not be used for safety reasons

Dry chemical. Carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

Corrosive Material. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products

oxygen, Hydrogen, Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Do not use steel or aluminum tools or equipment.

6.2. Environmental precautions

Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

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Refer to protective measures listed in Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain product quality. Keep refrigerated.

7.3. Specific end use(s)

Use in laboratories

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

List source(s):

UK - EH40/2005 Containing the workplace exposure limits (WELs) for use with the Control of Substances Hazardous to Health Regulations (COSHH) 2002 (as amended). Updated by September 2006 official press release and October 2007 Supplement. **IRE** - 2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001. Published by the Health and Safety Authority.

Component Hydrogen peroxide

European Union	The United Kingdom	France	Belgium	Spain
	STEL: 2 ppm 15 min	TWA / VME: 1 ppm (8	TWA: 1 ppm 8 uren	TWA / VLA-ED: 1 ppm (8
	STEL: 2.8 mg/m ³ 15 min	heures).	TWA: 1.4 mg/m ³ 8 uren	horas)
	TWA: 1 ppm 8 hr	TWA / VME: 1.5 mg/m ³	_	TWA / VLA-ED: 1.4
	TWA: 1.4 mg/m ³ 8 hr	(8 heures).		mg/m³ (8 horas)

Component Hydrogen peroxide

Italy	Germany	Portugal	The Netherlands	Finland
	TWA: 0.5 ppm (8	TWA: 1 ppm 8 horas		TWA: 1 ppm 8 tunteina
	Stunden). MAK			TWA: 1.4 mg/m ³ 8
	TWA: 0.71 mg/m ³ (8			tunteina
	Stunden). MAK			STEL: 3 ppm 15
	Höhepunkt: 0.5 ppm			minuutteina
	Höhepunkt: 0.71 mg/m ³			STEL: 4.2 mg/m ³ 15
				minuutteina

Component Hydrogen peroxide

Austria	Denmark	Switzerland	Poland	Norway
MAK-KZW: 2 ppm 15	TWA: 1 ppm 8 timer	STEL: 0.5 ppm 15	STEL: 4 mg/m ³ 15	TWA: 1 ppm 8 timer
Minuten	TWA: 1.4 mg/m ³ 8 timer	Minuten	minutach	TWA: 1.4 mg/m ³ 8 timer
MAK-KZW: 2.8 mg/m ³ 15		STEL: 0.71 mg/m ³ 15	TWA: 1.5 mg/m ³ 8	STEL: 3 ppm 15
Minuten		Minuten	godzinach	minutter.
MAK-TMW: 1 ppm 8		TWA: 0.5 ppm 8 Stunden		STEL: 2.8 mg/m ³ 15
Stunden		TWA: 0.71 mg/m ³ 8		minutter.
MAK-TMW: 1.4 mg/m ³ 8		Stunden		
Stunden				

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Component
Hydrogen peroxide

Bulgaria	Croatia	Ireland	Cyprus	Czech Republic
TWA: 1.5 mg/m ³	TWA-GVI: 1 ppm 8	TWA: 1 ppm 8 hr.		TWA: 1 mg/m ³ 8
· ·	satima.	TWA: 1.5 mg/m ³ 8 hr.		hodinách.
	TWA-GVI: 1.4 mg/m ³ 8	STEL: 2 ppm 15 min		Ceiling: 2 mg/m ³
	satima.	STEL: 3 mg/m ³ 15 min		
	STEL-KGVI: 2 ppm 15			
	minutama.			
	STEL-KGVI: 2.8 mg/m ³			
	15 minutama.			

Component Hydrogen peroxide

Estonia	Gibraltar	Greece	Hungary	Iceland
TWA: 1 ppm 8 tundides.		STEL: 3 mg/m ³		TWA: 1 ppm 8
TWA: 1.4 mg/m ³ 8		TWA: 1 ppm		klukkustundum.
tundides.		TWA: 1.4 mg/m ³		TWA: 1.4 mg/m ³ 8
Ceiling: 2 ppm		_		klukkustundum.
Ceiling: 3 mg/m ³				Ceiling: 2 ppm
				Ceiling: 2.8 mg/m ³

Component Hydrogen peroxide

Latvia	Lithuania	Luxembourg	Malta	Romania
	Ceiling: 2 ppm			
	Ceiling: 3 mg/m ³			
	TWA: 1 ppm IPRD			
	TWA: 1.4 mg/m ³ IPRD			

Component Hydrogen peroxide

Russia	Slovak Republic	Slovenia	Sweden	Turkey
	Ceiling: 2.8 mg/m ³	TWA: 1 ppm 8 urah	LLV: 1 ppm 8 timmar.	
	TWA: 1 ppm	TWA: 1.4 mg/m ³ 8 urah	LLV: 1.4 mg/m ³ 8 timmar.	
	TWA: 1.4 mg/m ³	STEL: 1 ppm 15 minutah	CLV: 2 ppm	
		STEL: 1.4 mg/m ³ 15	CLV: 3 mg/m ³	
		minutah		

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

Derived No Effect Level (DNEL) Workers

Route of exposure	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Oral				
Dermal				
Inhalation	3 mg/m³		1.4 mg/m ³	

Predicted No Effect Concentration

(PNEC)

See values below.

Fresh water 0.0126 mg/L
Fresh water sediment 0.047 mg/kg
Marine water 0.0126 mg/L
Marine water sediment 0.047 mg/kg
Water Intermittent 0.0138 mg/L
Microorganisms in sewage 4,66 mg/L

treatment

Soil (Agriculture) 0.0019 mg/kg

8.2. Exposure controls

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Engineering Measures

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection Goggles (European standard - EN 166)

Hand Protection Protective gloves

Glove material Butyl rubber Neoprene Natural rubber Nitrile rubber	Breakthrough time > 480 minutes > 480 minutes > 480 minutes > 480 minutes	Glove thickness 0.35 mm 0.45 mm 0.5 mm	EU standard EN 374	Glove comments (minimum requirement)	
PVC Nitrile rubber Viton (R)	> 480 minutes > 480 minutes	0.1 - 0.2 mm 0.3 mm			

Skin and body protection Long sleeved clothing

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove gloves with care avoiding skin contamination.

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate

certified respirators

To protect the wearer, respiratory protective equipment must be the correct fit and be used and

maintained properly.

Large scale/emergency use Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are

exceeded or if irritation or other symptoms are experienced..

Recommended Filter type: Particulates filter conforming to EN 143, Inorganic gases and

vapours filter, Type B, Grey, conforming to EN14387.

Small scale/Laboratory use Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure

limits are exceeded or if irritation or other symptoms are experienced.

Recommended half mask:- Particle filtering: EN149:2001 When RPE is used a face piece Fit Test should be conducted.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains. Do not allow material to contaminate ground water

system. Local authorities should be advised if significant spillages cannot be contained.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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Hydrogen peroxide 20-35wt% solution in water

AppearanceColorlessPhysical StateLiquid.Odorslight

Odor Threshold No data available

pH 3.3

Melting Point/Range -33°C / -27.4°F
Softening Point No data available
Boiling Point/Range 108°C / 226.4°F

Flash Point No information available. Method - No information available

Evaporation Rate 1.0 (Butyl acetate = 1.0)

Flammability (solid,gas) Not applicable Liquid

Explosion Limits No data available.

Vapor Pressure No data available

Vapor Density 1.10 (Air = 1.0)

Specific Gravity / Density 1.110

Bulk Density Not applicable Liquid

Water Solubility soluble

Solubility in other solvents No information available

Partition Coefficient (n- Component log Pow octanol/water) Hydrogen peroxide -1.1

Autoignition Temperature No data available

Decomposition temperature > 125°C

Viscosity No data available Explosive Properties Not explosive

Oxidizing Properties No information available

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None known, based on information available.

10.2. Chemical stability

Stable under normal conditions. Sensitivity to light.

10.3. Possibility of hazardous reactions

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

10.4. Conditions to avoid

Incompatible products, Excess heat, Exposure to light.

10.5. Incompatible materials

Strong oxidizing agents. Metals. Reducing agents. Alcohols. Ammonia. copper. Copper alloys.

@ 760 mmHg

lead oxides. Cyanides. Sulfides. lead. Acetone. Aluminium. . Zinc.

10.6. Hazardous decomposition products

oxygen, Hydrogen, Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

(a) acute toxicity;

Oral Category 4

DermalBased on available data, the classification criteria are not metInhalationBased on available data, the classification criteria are not met

Toxicology data for the components

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide	376 mg/kg (Rat) (90%) 910 mg/kg (Rat) (20-60%) 1518 mg/kg (Rat) (8-20% sol)	>2000 mg/kg(Rabbit)	2 g/m³(Rat) 4 h
Water	-		

(b) skin corrosion/irritation; Based on available data, the classification criteria are not met

(c) serious eye damage/irritation; Category 1

(d) respiratory or skin sensitization;

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

(e) germ cell mutagenicity; Based on available data, the classification criteria are not met

(f) carcinogenicity; Based on available data, the classification criteria are not met

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	EU	UK	Germany	IARC
Hydrogen peroxide				Group 3 (not classifiable)

(g) reproductive toxicity; Based on available data, the classification criteria are not met

(h) STOT-single exposure; Based on available data, the classification criteria are not met

(i) STOT-repeated exposure; Based on available data, the classification criteria are not met

Target Organs Eyes, Skin, Gastrointestinal tract (GI), Respiratory system.

(j) aspiration hazard; Based on available data, the classification criteria are not met

Other Adverse Effects Symptoms / effects, both acute and delayed See actual entry in RTECS for complete information

No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity effects Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment

Component Freshwater Fish Water Flea Freshwater Algae Microtox Hydrogen peroxide LC50: 16.4 ma/L/96h EC50 7.7 mg/L/24h EC50 2.5 mg/L/72h (P.promelas)

12.2. Persistence and degradability

Readily biodegradable

Persistence Degradability Persistence is unlikely, Decomposes, Soluble in water.

Degradation in sewage

Not relevant for inorganic substances.

treatment plant

No inhibition of bacteria is expected if properly introduced into a biological treatment facility. Contains substances known to be hazardous to the environment or not degradable in waste

water treatment plants.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely

Component	log Pow	Bioconcentration factor (BCF)
Hydrogen peroxide	-1.1	No data available

12.4. Mobility in soil The product is water soluble, and may spread in water systems. Will likely be mobile in the

environment due to its water solubility. Highly mobile in soils.

12.5. Results of PBT and vPvB

assessment

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and

very bioaccumulative (vPvB).

12.6. Other adverse effects

Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential

This product does not contain any known or suspected endocrine disruptors

This product does not contain any known or suspected substance This product does not contain any known or suspected substance

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused

Products

Waste is classified as hazardous. Dispose of in accordance with the European Directives on

waste and hazardous waste. Dispose of in accordance with local regulations.

Dispose of this container to hazardous or special waste collection point... **Contaminated Packaging**

European Waste Catalogue (EWC) According to the European Waste Catalogue, Waste Codes are not product specific, but

application specific.

Other Information Do not dispose of waste into sewer. Waste codes should be assigned by the user based on the

application for which the product was used. Do not empty into drains. Do not let this chemical

enter the environment.

SECTION 14: TRANSPORT INFORMATION

IMDG/IMO

14.1. UN number UN2014

14.2. UN proper shipping name

14.3. Transport hazard class(es) **Subsidiary Hazard Class**

HYDROGEN PEROXIDE, AQUEOUS SOLUTION 5.1

R П

14.4. Packing group

ADR

14.1. UN number UN2014

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HYDROGEN PEROXIDE, AQUEOUS SOLUTION 14.2. UN proper shipping name

14.3. Transport hazard class(es) 5.1 **Subsidiary Hazard Class** 8 14.4. Packing group П

IATA

14.1. UN number UN2014

14.2. UN proper shipping name HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es) 5.1 **Subsidiary Hazard Class** 8 Π 14.4. Packing group

No hazards identified 14.5. Environmental hazards

14.6. Special precautions for user No special precautions required

14.7. Transport in bulk according to

Not applicable, packaged goods

Annex II of MARPOL73/78 and the

IBC Code

SECTION 15: REGULATORY INFORMATION

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

International Inventories X = listed

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	IECSC	AICS	KECL
Hydrogen peroxide	231-765-0	-		X	Х	-	Х	Х	Х	X	X
Water	231-791-2	-		Х	Х	-	Х	_	Х	Х	X

National Regulations

Component	Germany - Water Classification (VwVwS)	Germany - TA-Luft Class
Hydrogen peroxide	WGK 1	

Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

Take note of Dir 94/33/EC on the protection of young people at work

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

15.2. Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

SECTION 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R 5 - Heating may cause an explosion

R 8 - Contact with combustible material may cause fire

R22 - Harmful if swallowed

R35 - Causes severe burns

R41 - Risk of serious damage to eyes

R20/22 - Harmful by inhalation and if swallowed

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H271 - May cause fire or explosion; strong oxidizer

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

H412 - Harmful to aquatic life with long lasting effects

Legend

CAS - Chemical Abstracts Service

EINECS/ELINCS - European Inventory of Existing Commercial Chemical

Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

IECSC - Chinese Inventory of Existing Chemical Substances **KECL** - Korean Existing and Evaluated Chemical Substances

TLOS TROTOGIT EXISTING AND EVALUATION OF THE PROPERTY OF THE P

WEL - Workplace Exposure Limit

ACGIH - American Conference of Governmental Hygienists

DNEL - Derived No Effect Level

RPE - Respiratory Protective Equipment

LC50 - Lethal Concentration 50%
NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

ADR - European Agreement Concerning the International Carriage of

Dangerous Goods by Road

IMO/IMDG - International Maritime Organization/International Maritime

Dangerous Goods Code

OECD - Organisation for Economic Co-operation and Development

BCF - Bioconcentration factor

Key literature references and sources for data

Suppliers safety data sheet,

Chemadvisor - LOLI,

Merck index,

RTECS

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic

Substances List

ENCS - Japanese Existing and New Chemical Substances **AICS** - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

PNEC - Predicted No Effect Concentration

LD50 - Lethal Dose 50%

EC50 - Effective Concentration 50% **POW** - Partition coefficient Octanol:Water

vPvB - very Persistent, very Bioaccumulative

ICAO/IATA - International Civil Aviation Organization/International Air

Transport Association

MARPOL - International Convention for the Prevention of Pollution from

Ships

ATE - Acute Toxicity Estimate

VOC - Volatile Organic Compounds

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards
On basis of test data
Health Hazards
Calculation method
Environmental hazards
Calculation method

Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Creation Date 28-Oct-2009 **Revision Date** 25-Mar-2014

Revision Summary Update to Format, (M)SDS sections updated, 2, 3.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Hydrogen peroxide 20-35wt% solution in water

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Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet