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

1.1. Product identifier

Name of product S010

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

Identified uses

Sector of uses [SU]
SU20 - Health services
SU21 - Consumer uses: Private households (= general public = consumers)
SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product categories [PC]
disinfectants

Recommended intended purpose(s)
Disinfectant

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor
IC Solutions 24/7 Limited
Centenary Business Centre, Hammond Close, Nuneaton, Warwickshire, CV11 6RY UK
Department of product safety

Advice
Phone +44 (0) 2476 34 77 22 (available at office times)
E-mail (competent person): info@icsolutions247.com

1.4. Emergency telephone number

Emergency advice
Swiss toxicological Information Center
Phone 145 / +41 44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Xi; R36

R-phrases
36 Irritating to eyes.

Additional hints
The preparation is classified as hazardous according Directive 1999/45/EC.
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Skin Irrit. 2	H315	

Additional hints
The preparation is classified as hazardous according Directive 1999/45/EC.
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS07

Signal word
Warning

Hazard statements for health hazards

H315	Causes skin irritation.

Precautionary Statements

General

P102	Keep out of reach of children.

Prevention

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

Response

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.

Disposal

P501	Contents / container hand over to an approved waste disposal facility.

Hazardous ingredients for labelling
hydrogen peroxide solution 5%

2.3. Other hazards
No information available.

SECTION 3 : Composition/ information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
Hazardous ingredients

CAS No	EC No	Name	[%]	Classification according to 67/548/EEC
7722-84-1	231-765-0	hydrogen peroxide solution ...%	5	R5; O R8; C R35; Xn R20/22
7440-22-4	231-131-3	silver	ca. 0,005-0.01	
7664-38-2	231-633-2	phosphoric acid	0,05 - 0,1	C R34

Hazardous ingredients (continued)

CAS No	EC No	Name	[%]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
7722-84-1	231-765-0	hydrogen peroxide solution ...%	5	Ox. Liq. 1, H271 / Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin Corr. 1A, H314
7440-22-4	231-131-3	silver	ca. 0,005-0,01	
7664-38-2	231-633-2	phosphoric acid	0,05 - 0,1	Skin Corr. 1B, H314

SECTION 4: First aid measures

4.1. Description of first aid measures
General I n f o r m a t i o n
Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.

In case of Inhalation
Remove the casualty into fresh air and keep him immobile.
If intensive inhalation of fumes seek medical treatment immediately.
In the event of symptoms refer for medical treatment.

In case of skin contact
In case of contact with skin wash off immediately with plenty of water.
Consult a doctor if skin irritation persists.

In case of eye contact
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of I n g e s t i o n
If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse out mouth thoroughly with water.
Give plenty of water to drink in small sips.

4.2. Most important symptoms and effects, both acute and delayed
No information available.

4.3. Indication of any immediate medical attention and special treatment needed
No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Product does not burn, fire-extinguishing activities according to surrounding.
Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Unsuitable extinguishing media
Full water jet

5.2. Special hazards arising from the substance or mixture
Fire gas of organic material has to be classed invariably as respiratory poison.
In case of fire formation of dangerous gases possible.
Carbon monoxide (CO)
Carbon dioxide (CO2)

5.3. Advice for firefighters
Special protective equipment for fire fighters
Use breathing apparatus with independent air supply.
Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information
Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Avoid contact with skin and eyes.
Ensure adequate ventilation.
Remove persons to safety.
Use personal protective clothing.

6.2. Environmental precautions
Do not discharge into the drains/surface waters/groundwater.
Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up
Ensure adequate ventilation.
Send in suitable containers for recovery or disposal.
Take up with absorbent material (e.g. general-purpose binder).
Do not take up with sawdust or other combustible materials.

Additional Information
Information for safe handling see chapter 7.
Information for personal protective equipment see chapter 8.
Information for disposal see chapter 13.

6.4. Reference to other sections
No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Keep container tightly closed.
Open and handle container with care!
Use only in well-ventilated areas.
Do not use without breathing apparatus longer than 30 minutes per day. If you use longer, use breathing apparatus (8.2)

General protective measures
Take the usual precautions when handling chemicals.
Avoid contact with the eyes.

Hygiene measures
At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.
Keep away from food and drink.
Wash hands before breaks and after work.

Advice on protection against fire and explosion
The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep out of reach of children.
Ventilate store-rooms thoroughly.
Keep only in original container.

Advice on storage compatibility
Do not store with oxidizing agents.
Store and transport separate of food.

Further information on storage conditions
Keep container tightly closed and store at cool and aired place.
Protect from heat and direct solar radiation.

7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Ingredients with occupational exposure limits to b e m o n i t o r e d

CAS No	Name	Code	[mg/m3]	[ppm]		Remark
7722-84-1	hydrogen-peroxide	MAK, 8 hours Short-term	0.71 0.71	0.5 0.5		DFG, OSHA
7664-38-2	phosphoric acid	MAK, 8 hours Short-term	1 2		2	

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
7664-38-2	phosphoric acid	8 hours Short-term	1 2		

8.2. Exposure controls
Respiratory protection
No special measures necessary if used correctly.
Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, special gas filter, NO-P3

Hand protection
Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: nitrile rubber or butyle rubber; 0,5 mm; ca 480 Min.
Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Eye pro
safety goggles with side protection

Other protection measures
Light protective clothing.

Appropriate engineering controls
Avoid contact with skin and eyes.
Care for thorough room ventilation, if necessary provide local air ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Colour
liquid colourless

Odour
odourless

Odour threshold
No information available.

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	2 - 2,5	20 °C			
boiling point	> 100 °C				
melting point	ca. 0 °C				
Flash point	not applicable				
Vaporisation rate	No information available.				
Flammable (solid)	No information available.				
Flammability (gas)	No information available.				
Ignition temperature	No information available.				
Self- ignition temperature					The product isn't self-igniting.
Lower explosion limit	No information available.				
Upper explosion limit	No information available.				
Vapour pressure	23 hPa	20 °C			
Relative density	1 g/cm3	20 °C			
Vapour density	No information available.				
Solubility in water					Completely miscible
Solubility/other	No information available.				

	Value	Temperature	at	Method	Remark
Partition coefficient n-octanol/water (log P O/W)	No information available.				
Decomposition temperature	No information available.				
Viscosity	No information available.				

Oxidising properties
not applicable

Explosive properties
The product is not explosive.

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
No information available.

10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
No decomposition if stored and handled according to specifications.

10.5. Incompatible materials
Materials to avoid
Reactions with strong oxidising agents.

10.6. Hazardous decomposition products
No hazardous decomposition products known.
No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute t o x i c i t y /Irritability /Sensitisation

	Value/Validation	Species	Method	Remark
LD50 acute oral	No data available.			
LD50 acute dermal	No data available.			

	Value/Validation	Species	Method	Remark
LC50 acute Inhalation	No data available.			
Irritability skin	Due to the product composition slight irritations of the skin cannot be excluded.			
Irritability eye	irritant - risk of strong eye injuries			
Skin sensitization	non-sensitizing			

Experiences made from practice
Experiences at humans: may cause hypersensitivity reactions on skin in case of persons suffering from hypersensitivity.
Frequent persistent contact with the skin may cause skin irritation.
Frequent contact specially if dried out may cause skin and eye irritations.
Precautionary classification 'irritating' because of pH-value.

Additional Information
The product was classified on the basis of the calculation procedure of the Regulation (EU) Nr. 1272/2008 (CLP).
The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 16,4 mg/l (96 h)	Pimephales promelas		
Daphnia	EC50 7,7 mg/l (24 h)	Daphnia magna		
Algae	IC50 2,5 mg/l (72 h)	Chlorella vulgaris		

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
No information available.

12.6. Other adverse effects
Behaviour in sewage plants
When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

General regulations
Do not discharge into the drains/surface waters/groundwater.
Ecological dates are not available.
Do not allow uncontrolled leakage of product into the environment.
The information to ecology refers to main component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product
In accordance with regulations for special waste, must be taken to a special waste disposal. Collect waste separated in suitable, labelled and lockable containers.
The waste disposal has to be proved.
Dispose of as hazardous waste.

Recommendations for packaging
Uncontaminated packaging may be taken for recycling.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information available.

Land and inland navigation transport ADR/RID
No dangerous goods as defined by these transport regulations.

Marine transport IMDG
No hazardous material as defined by the prescriptions.

Air transport ICAO/IATA-DGR
No hazardous material as defined by the prescriptions.

SECTION 15: Regulatory information

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

National regulations

Water hazard class 1
slightly hazardous to waters, self-classification

15.2. Chemical Safety Assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions
National and local regulations concerning chemicals shall be observed.

Further information
The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 20/22 Harmful by inhalation and if swallowed.
R 34 Causes burns.
R 35 Causes severe burns.
R 5 Heating may cause an explosion.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 8 Contact with combustible material may cause fire.

H271 May cause fire or explosion; strong oxidiser.
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.