

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

1.1. Product identifier

Product form : Mixture
 Product name. : KENOCID 2100 5%
 Product code : 423
 Product group : Disinfectant.

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

1.2.1. Relevant identified uses

Main use category : Industrial use
 Use of the substance/preparation : See product bulletin for detailed information.
 Function or use category : Disinfectants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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 Waterpoortstraat, 2
 B-8900 Ieper - Belgique
 T + 32 57 21 78 77 - F +32 57 21 78 79
info@cidlines.com - sds@cidlines.com - <http://www.cidlines.com>

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
Worldwide	www.who.int/ipcs/poisons/centre/directory/en		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

O; R7
 Xn; R20/22
 C; R34
 Full text of R-phrases: see section 16


Adverse physicochemical, human health and environmental effects

No additional information available


2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS03



GHS05

Signal word (CLP) : Danger
 Hazardous ingredients : Hydrogen peroxide, Acetic acid
 Hazard statements (CLP) : H272 - May intensify fire; oxidizer
 H302 - Harmful if swallowed
 H314 - Causes severe skin burns and eye damage
 Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray
 P221 - Take any precaution to avoid mixing with combustibles/...
 P303: IF ON SKIN: Remove immediately all contaminated clothing. Wash with plenty of soap and water.
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician Specific treatment is urgent.
 P301+P330+P331+P310+P321: IF SWALLOWED : Rinse mouth Do NOT induce vomiting Immediately call a POISON CENTER or doctor/physician Specific treatment.

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according to Regulation (EC) No. 453/2010

Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols :



C - Corrosive

O - Oxidising

R-phrases :

R7 - May cause fire.
R20/22 - Harmful by inhalation and if swallowed.
R34 - Causes burns.

S-phrases :

S3/7 - Keep container tightly closed in a cool place.
S14 - Keep away from all substances
S24 - Avoid contact with skin.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of water.
S35 - This material and its container must be disposed of in a safe way.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Hydrogen peroxide	(CAS No.)7722-84-1 (EC no)231-765-0 (EC index no)8-003-00-9 (REACH-no)01-2119485845-22	~ 20	O; R8 Xn; R20/22 C; R35 R5
Acetic acid	(CAS No.)64-19-7 (EC no)200-580-7 (EC index no)607-002-00-6 (REACH-no)01-2119475328-30	~ 10	C; R35 R10
Peracetic acid	(CAS No.)79-21-0 (EC no)201-186-8 (EC index no)607-094-00-8	~ 5	O; R7 Xn; R20/21/22 C; R35 N; R50 R10

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogen peroxide	(CAS No.)7722-84-1 (EC no)231-765-0 (EC index no)8-003-00-9 (REACH-no)01-2119485845-22	~ 20	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335
Acetic acid	(CAS No.)64-19-7 (EC no)200-580-7 (EC index no)607-002-00-6 (REACH-no)01-2119475328-30	~ 10	Flam. Liq. 3, H226 Skin Corr. 1A, H314
Peracetic acid	(CAS No.)79-21-0 (EC no)201-186-8 (EC index no)607-094-00-8	~ 5	Org. Perox. D, H242 Skin Corr. 1A, H314 Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400

Full text of R-, H- and EUH-phrases: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest. Seek medical advice.
- First-aid measures after skin contact : Remove contaminated clothing and shoes. Flush with plenty of water. Seek medical attention if ill effect or irritation develops.
- First-aid measures after eye contact : Rinse immediately with plenty of water. (Keep a bottle of water at hand). Seek medical attention immediately.
- First-aid measures after ingestion : Ingestion unlikely. Rinse mouth. Give water to drink. Do not induce vomiting because of corrosive effects. Take to hospital.

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

- Symptoms/injuries : Obtain medical attention.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : All extinguishing media can be used.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Oxidizing.
- Reactivity : Reacts violently with:Combustible. May cause fire.

5.3. Advice for firefighters

- Precautionary measures fire : No naked lights. No smoking.
- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Wear proper protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Dyke for recovery or absorb with appropriate material. Dilute residues and flush. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure prompt removal from eyes, skin and clothing. Avoid all unnecessary exposure. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Peracetic acid (79-21-0)		
EU	IOELV TWA (mg/m ³)	1 mg/m ³
The Netherlands	MAC C (mg/m ³)	1 mg/m ³

Hydrogen peroxide (7722-84-1)		
EU	IOELV TWA (mg/m ³)	1,4 mg/m ³
EU	IOELV TWA (ppm)	1 ppm

Acetic acid (64-19-7)		
EU	IOELV TWA (mg/m ³)	25 mg/m ³
EU	IOELV TWA (ppm)	10 ppm

8.2. Exposure controls

Personal protective equipment : Protective goggles. Protective clothing. Gloves. Insufficient ventilation: wear respiratory protection. Face shield.



Hand protection : Gloves. chemical resistant PVC gloves (to European standard EN 374 or equivalent).

Eye protection : Chemical goggles or face shield with safety glasses. Use eye protection to EN 166, designed to protect against liquid splashes.

Skin and body protection : Wear suitable protective clothing. Protective clothing compliant with EN 943 part 2.

Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material. Full-/Half-/quarter-face masks (DIN EN 136/140).

Other information : Local exhaust and general ventilation must be adequate to meet exposure standards. Wash clothing before re-using.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Clear.
Odour	: Pungent.
Odour threshold	: No data available
pH	: ca 3,5 (1%)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -30 °C
Freezing point	: No data available
Boiling point	: 118 °C
Flash point	: 100 °C
Self ignition temperature	: No data available
Decomposition temperature	: 55 °C May release :oxygen
Flammability (solid, gas)	: No data available
Vapour pressure	: 27 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: 1,11
Solubility	: Complete.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently with: Combustible. May cause fire.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Avoid contact with : Acids.; Alkaline mixture.; Reducing agents; Metals.; Organic compounds. heat.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

oxygen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful by inhalation and if swallowed.

KENOCID 2100 5%	
LD50 oral rat	ca 950 mg/kg
LD50 dermal rabbit	> 12000 mg/kg
LC50 inhalation rat (mg/l)	4,08 g/m ³

Irritation : Causes severe skin burns and eye damage
pH: ca 3,5 (1%)

Corrosivity : Causes burns.
pH: ca 3,5 (1%)

Sensitisation : This material was found to be non-sensitizing in guinea pigs who received subcutaneous injections.

Repeated dose toxicity : Not applicable

Carcinogenicity : No data available

Mutagenicity : No data available

Toxicity for reproduction : No data available.

SECTION 12: Ecological information

12.1. Toxicity

KENOCID 2100 5%	
LC50 fish 1	ca 25 mg/l 96h
EC50 Daphnia 1	ca 10 mg/l 48h
Additional ecotox information	IC50, algae: ca.12 mg/l (72 Hours)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

KENOCID 2100 5%	
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of this material and its container at hazardous or special waste collection point.
Dispose in a safe manner in accordance with local/national regulations.

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SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

UN-No. : 3149

14.2. UN proper shipping name

Proper Shipping Name : HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED
Transport document description : UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, (E)

14.3. Transport hazard class(es)

Class (UN) : 5.1
Hazard labels (UN) : 5.1, 8



14.4. Packing group

Packing group (UN) : II

14.5. Environmental hazards

Other information : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

Special transport precautions : The driver shall not attempt to deal with any fire of the load. No naked lights. No smoking. Keep public away from danger area. NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 58
Classification code (ADR) : OC1
Orange plates :



Tunnel restriction code : E
LQ : LQ10
Excepted quantities (ADR) : E2
EAC code : 2P

14.6.2. Transport by sea

Ship Safety Act : Oxidizing substances and organic peroxides/Organic peroxide material
Port Regulation Law : Oxidizing substances and organic peroxides/Organic peroxide material
MFAG-No. : 145

14.6.3. Air transport

Instruction "cargo" (ICAO) : Packaging instructions cargo :506
Instruction "passenger" (ICAO) : Packaging instructions passenger:501
Civil Aeronautics Law : Oxidizing substances and organic peroxides/Organic peroxide material

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
Contains no REACH candidate substance
Other regulations, restrictions and prohibition regulations : Ensure all national/local regulations are observed.

15.1.2. National regulations

Water hazard class (WGK) : 2 - hazardous to water

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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

Ox. Liq. 2	H272
Acute Tox. 4 (Oral)	H302
Skin Corr. 1A	H314

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Flam. Liq. 3	Flammable liquids Category 3
Org. Perox. D	Organic peroxide Category D
Ox. Liq. 1	Oxidising liquids Category 1
Skin Corr. 1A	skin corrosion/irritation Category 1A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapour
H242	Heating may cause a fire
H271	May cause fire or explosion; strong oxidizer
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20/22	Harmful by inhalation and if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R5	Heating may cause an explosion.
R50	Very toxic to aquatic organisms.
R7	May cause fire.
R8	Contact with combustible material may cause fire.
C	Corrosive
N	Dangerous for the environment
O	Oxidising
Xn	Harmful

SDS EU CLP DPD

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.