

KENO X5

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C : Corrosive



O : Oxidizing



5.1 : Oxidizing substances.



8 : Corrosive substance.

Danger



Producer

CID LINES NV
 Waterpoortstraat, 2
 B-8900 Ieper Belgique-Belgie
 Tel. + 32 57 21 78 77
 Fax +32 57 21 78 79
 info@cidlines.com

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

1.1. Product identifier

Identification of the product : Liquid.
Trade name : KENO X5
Type of product : Disinfectant.

1.2. Other

Use : See product bulletin for detailed information.
 Industrial.

1.3. - Company

Company identification : CID LINES NV
 Waterpoortstraat, 2
 B-8900 Ieper Belgique-Belgie
 Tel. + 32 57 21 78 77
 Fax +32 57 21 78 79
 info@cidlines.com

1.4. Emergency telephone number

+ 32 70 245 245

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

: O; R7
 Xn; R20/21/22
 C; R34

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SECTION 2. Hazards identification (continued)

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

- **Health hazards** : Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4)
 Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4)
 Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A)
 Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1)
 Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3)
- **Physical hazards** : Oxidizing liquids - Category 1 - Danger (CLP : Ox. Liq. 1)

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

- **Symbol(s)**



- **R Phrase(s)** : C : Corrosive.
 O : Oxidizing
 R7 : May cause fire.
 R8 : Contact with combustible material may cause fire.
 R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
 R34 : Causes burns.
- **S Phrase(s)** : S2 : Keep out of the reach of children.
 S3/7 : Keep container tightly closed in a cool place.
 S13 : Keep away from food, drink and animal feedingstuffs.
 S17 : Keep away from combustible material.
 S20/21 : When using, do not eat, drink or smoke.
 S24 : Avoid contact with skin.
 S25 : Avoid contact with eyes.
 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 when possible).
 S51 : Use only in well-ventilated areas.

Labelling Regulation EC 1272/2008 (CLP)

- **Hazard pictograms**



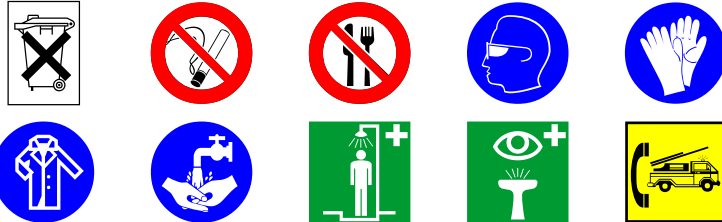
- **Hazard pictograms code** : SGH03 - SGH05
- **Signal words** : Danger
- **Hazard statements** : H271 : May cause fire or explosion; strong oxidiser.
 H314 : Causes severe skin burns and eye damage.
 H332 : Harmful if inhaled.
 H302 : Harmful if swallowed.
 H335 : May cause respiratory irritation.

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SECTION 2. Hazards identification (continued)

• **Pictograms (Precautionary statements)**



• **Precautionary statements**

- **Prevention**

: P280 : Wear protective gloves/protective clothing/eye protection/face protection.
 P260 : Do not breathe dust/fume/gas/mist/vapours/spray.

- **Response**

: P378: Use for extinction : All extinguishing media can be used.
 P303: IF ON SKIN (or hair) : 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. Specific treatment is urgent.
 P301+P330+P331+P310+P321: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Specific treatment.

2.3. Other hazards

None under normal conditions.

SECTION 3. Composition/information on ingredients

Substance / Preparation		: Preparation.						
Substance name	Contents	CAS No	EC No	Index No	REACH	Classification		
Hydrogen peroxide	: 15 - 30 %	7722-84-1	231-765-0	008-003-00-9	01-2119485845-22	O; R8 R5 Xn; R20/22 C; R35 ----- Ox. Liq. 1 Skin Corr. 1A Acute Tox. 4 (inhal) Acute Tox. 4 (oral)		
Acetic acid	: 5 - 15 %	64-19-7	200-580-7	607-002-00-6	-----	R10 C; R35 ----- Skin Corr. 1A Flam. Liq. 3		
Peracetic acid	: 1 - 5 %	79-21-0	201-186-8	607-094-00-8	-----	O; R7 R10 Xn; R20/21/22 C; R35 N; R50 ----- Org. Perox. D Skin Corr. 1A Flam. Liq. 3 Acute Tox. 4 (skin) Acute Tox. 4 (inhal) Acute Tox. 4 (oral) Aquatic Acute 1		

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid

- **Inhalation**

: Assure fresh air breathing. Allow the victim to rest. Seek medical advice.

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SECTION 4. First aid measures (continued)

- **Skin contact** : Remove contaminated clothing and shoes. Flush with plenty of water. Seek medical attention if ill effect or irritation develops.
- **Eye contact** : Rinse immediately with plenty of water. (Keep a bottle of water at hand). Seek medical attention immediately.
- **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

General information : Obtain medical attention.

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

No data available.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Extinguishing media : All extinguishing media can be used.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : Reacts violently with : Combustibles. May cause fire.

5.3. Advice for fire-fighters

Flammable class : Oxidizing.

Protection against fire : Wear proper protective equipment.

Prevention



: No naked lights. No smoking.

Special procedures : Exercise caution when fighting any chemical fire.

Surrounding fires : Use water spray or fog for cooling exposed containers.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Flush/dilute with water.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

After spillage and/or leakage : Dyke for recovery or absorb with appropriate material. Dilute residues and flush. Use suitable disposal containers.

6.4. Reference to other sections

No data available.

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SECTION 7. Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

- Storage** : 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 data available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Personal protection



- **Respiratory protection** : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
 - **Skin protection** : Wear suitable protective clothing and gloves. (butylrubber)
 - **Eye protection** : Chemical goggles or face shield with safety glasses.
- Industrial hygiene** : Local exhaust and general ventilation must be adequate to meet exposure standards. Wash clothing before re-using.

8.2. Occupational Exposure Limits

Hydrogen peroxide : TLV[©] -TWA [mg/m³] : 1.4
 Hydrogen peroxide : TLV[©] -TWA [ppm] : 1
 Acetic acid : TLV[©] -TWA [mg/m³] : 25
 Acetic acid : TLV[©] -TWA [ppm] : 10
 Peracetic acid : TLV[©] -TWA [mg/m³] : 1
 Peracetic acid : MAC [mg/m³] : 1
 Peracetic acid : Molecular weight : 76.1

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

• Appearance

- Physical state** : Liquid.
- Colour** : Clear.
- ##### • Odour
- Odour** : Pungent.

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SECTION 9. Physical and chemical properties (continued)

• **pH**

pH value in distilled water : ca 3

• **Melting point / Freezing point**

Melting point [°C] : -28

• **Initial boiling point - boiling range**

Initial boiling point : 105°C

• **Flash point**

Flash point [°C] : 100°C

• **Vapour pressure**

Vapour pressure [hPa] : 27

• **Relative density**

Density : ca 1.12

• **Solubility**

Solubility in water : Complete.

• **Partition coefficient : n-octanol / water**

Log P octanol / water at 20°C : No data available.

• **Thermal decomposition**

Decomposition point [°C] : 55°C May release : oxygen

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

Hazardous properties : None under normal conditions.

10.4. Conditions to avoid

Conditions to avoid : Avoid contact with : Acids. Alkaline mixture. Reducing agents. Metals. Organic compounds.
Heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Hazardous decomposition products : oxygen

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SECTION 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Rat oral LD50 [mg/kg] : ca.950

Rabbit dermal LD50 [mg/kg] : >12000

Rat inhalation LC50 [mg/kg] : 4080 mg/m³

- Dermal : Irritation.

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

SECTION 12. Ecological information

12.1. Toxicity

48 Hour-EC50 - Daphnia magna [mg/l] : ca.10

IC50 72h Algae [mg/l] : ca.12

LC50-96 Hour - fish [mg/l] : ca.25

12.2. Persistence - degradability

Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : No.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

WGK class (Germany) : 1

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal : 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.

SECTION 14. Transport information

14.1. UN Number

General information

- UN No. : 3149

14.2. Proper shipping name

- Proper shipping name : UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II

14.3. Transport Hazard Classification

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SECTION 14. Transport information (continued)

19 Hazard Label(s)

 : 5.1
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Land transport

- ADR/RID : Class : 5.1
Group : II

- H.I. nr : : 58

- ADR Class : : 5.1

Sea transport

- IMO-IMDG code : Class 5.1

IMO Packing group : II

- MFAG-Nr : : 735

- IMDG-Marine pollution : NO -

- EMS-Nr : F-H S-Q

Air transport

- ICAO/IATA : Packaging instructions cargo : 506
Packaging instructions passenger: 501

- Proper shipping name : HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED

- IATA - Class or division : 5.1

IATA Packing group : II

14.4. Packing group

- ADR Packing group : II

14.5. Environmental hazards

In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

Personal 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.

Additional information
14.7. Bulk transport - annex II Marpol 73/78 - IBC

Not classified.


SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

No data available.

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SECTION 16. Other information

- List of relevant R phrases (heading 3) :** R5 : Heating may cause an explosion.
R7 : May cause fire.
R8 : Contact with combustible material may cause fire.
R10 : Flammable.
R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
R20/22 : Harmful by inhalation and if swallowed.
R35 : Causes severe burns.
R50 : Very toxic to aquatic organisms.
- List of relevant symbols (heading 3) :** C: Corrosive.
N: Dangerous for the environment.
O : Oxidizing
- Further information** : None.

The contents and format of this SDS are in accordance with EEC Commission "REACH" Regulation, EC 1907/2006

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