SECTION 1: Product and Company identification

1.1 Product identifier

Product form : Liquid
Product name. : Cid 2000
Product code : 69
Product group : disinfectants

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/mixture : See product bulletin for detailed information.

1.2.2. Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

Country	Organisation/Company	Address	Emergency number
BELGIUM	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120Brussels	+32 70 245 245
CANADA	CANUTEC		(613) 996-6666
GREECE	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527Athens	+30 10 779 3777
NETHERLANDS	National Poisons Information Centre National Institute for Public Health and the Environment, NB this service is only available to health professionals	P.O. Box 1 3720 BABilthoven	+31 30 274 88 88
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ERLondon	0870 243 2241
Worldwide	www.who.int/ipcs/poisons/centre/directory/en		

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Labelling according to OSHA 29 CFR 1910.1200

Flam. Liq. 3	H226
Org. Perox. D	H242
Skin Corr. 1B	H314

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

Skin corrosion/irritation. May cause irritation to the respiratory tract and to other mucous membranes. Oxidizing liquids - Category 1 - Danger (CLP : Ox. Liq. 1).

2.2 Label elements

Labelling according to OSHA 29 CFR 1910.1200

Hazard pictograms (CLP) :

GHS03 GHS05

Signal word (CLP) : Danger

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage
H271 - May cause fire or explosion; strong oxidiser
H332 - Harmful if inhaled
H302 - Harmful if swallowed
H335 - May cause respiratory irritation

Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
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/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.

2.3 Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

Name	Product identifier	%	Classification
Hydrogen peroxide	(CAS No)7722-84-1 (EC no)231-765-0 (EC index no)8-003-00-9 (REACH-no)01-2119485845-22	15 - 30	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335
Peracetic acid	(CAS No)79-21-0 (EC no)201-186-8 (EC index no)607-094-00-8 (REACH-no)01-2119531330-56	5 - 15	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
Acetic acid	(CAS No)64-19-7 (EC no)200-580-7 (EC index no)607-002-00-6 (REACH-no)01-2119475328-30	5 - 15	Flam. Liq. 3, H226 Skin Corr. 1A, H314

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. Do not induce vomiting because of corrosive effects. Take to hospital.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available

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 : May cause fire. Oxidizing.

Reactivity : Reacts violently with: combustibles.

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 : Flush/dilute with water. 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 : Handle in accordance with good industrial hygiene and safety procedures. Avoid all unnecessary exposure. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Hygiene measures : 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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Acetic acid (64-19-7)		
EU	IOELV TWA (mg/m³)	25 mg/m³
EU	IOELV TWA (ppm)	10 ppm
Belgium	Limit value (mg/m³)	25 mg/m³
Belgium	Limit value (ppm)	10 ppm
Belgium	Short time value (mg/m³)	38 mg/m³
Belgium	Short time value (ppm)	15 ppm
France	VLE (mg/m³)	25 mg/m³
France	VLE (ppm)	10 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	25 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	10 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m³)	50 mg/m³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	20 ppm
Italy - Portugal- USA ACGIH	ACGIH TWA (mg/m³)	25 mg/m³
Italy - Portugal- USA ACGIH	ACGIH TWA (ppm)	10 ppm
Italy - Portugal- USA ACGIH	ACGIH STEL (mg/m³)	37 mg/m³
Italy - Portugal- USA ACGIH	ACGIH STEL (ppm)	15 ppm

Acetic acid (64-19-7)		
USA NIOSH	NIOSH REL (TWA) (mg/m3)	25 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	10 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m3)	37 mg/m³
USA NIOSH	NIOSH REL (STEL) (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m3)	25 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
United Kingdom	WEL TWA (mg/m³)	25 mg/m³
United Kingdom	WEL TWA (ppm)	10 ppm
United Kingdom	WEL STEL (mg/m³)	37 mg/m³
United Kingdom	WEL STEL (ppm)	15 ppm

Hydrogen peroxide (7722-84-1)		
EU	IOELV TWA (mg/m³)	1,4 mg/m³
EU	IOELV TWA (ppm)	1 ppm
Belgium	Limit value (mg/m³)	1,4 mg/m³
Belgium	Limit value (ppm)	1 ppm
Belgium	Remark*	(peroxyde d')
France	VME (mg/m³)	1,5 mg/m³
France	VME (ppm)	1 ppm
Italy - Portugal- USA ACGIH	ACGIH TWA (mg/m³)	1,4 mg/m³
Italy - Portugal- USA ACGIH	ACGIH TWA (ppm)	1 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m3)	1,4 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	1 ppm
USA OSHA	OSHA PEL (TWA) (mg/m3)	1,4 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
United Kingdom	WEL TWA (mg/m³)	1,4 mg/m³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m³)	2,8 mg/m³
United Kingdom	WEL STEL (ppm)	2 ppm
Finland	HTP-arvo (8h) (mg/m3)	1,4 mg/m³
Finland	HTP-arvo (8h) (ppm)	1 ppm
Finland	HTP-arvo (15 min)	4,2 mg/m³
Finland	HTP-arvo (15 min) (ppm)	3 ppm

Peracetic acid (79-21-0)		
EU	IOELV TWA (mg/m³)	1 mg/m³
The Netherlands	MAC C (mg/m³)	1 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Local exhaust and general ventilation must be adequate to meet exposure standards.

Personal protective equipment : Dust/aerosol mask. Gloves. Protective clothing.

Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Chemical goggles or face shield with safety glasses.

Skin and body protection : protective clothing.

Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Colourless.
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	: ca. 55 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: 27 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ca. 1,11 kg/l
Solubility	: Water: 100 %
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

SECTION 10: Stability and reactivity

10.1 Reactivity

Reacts violently with: combustibles.

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 : heat.

10.5 Incompatible materials

Avoid contact with : acids. Alkaline mixture. Reducing agents. metals. Organic compounds.

10.6. Hazardous decomposition products

May release : Oxygen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Not classified

Acetic acid (64-19-7)	
LD50 oral rat	3310 mg/kg
ATE (oral)	3310,000 mg/kg

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	1193 - 1270 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE (oral)	500,000 mg/kg

Skin corrosion/irritation	:	Causes severe skin burns and eye damage. pH: ca. 3,5 (1%)
Serious eye damage/irritation	:	Eye damage, category 1, implicit pH: ca. 3,5 (1%)
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified

Cid 2000	
LOAEL (oral,rat)	ca. 950 mg/kg bodyweight
LOAEL (dermal,rat/rabbit)	> 12000 mg/kg bodyweight

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1 Toxicity

Ecology - water : hazardous to water (WGK 2).

Cid 2000	
LC50 fishes 1	ca. 25 mg/l (50-96h)
LC50 other aquatic organisms 1	ca. 12 mg/l (50-72h)
EC50 Daphnia 1	ca. 10 mg/l (48h)

Acetic acid (64-19-7)	
LC50 fishes 1	> 300 mg/l
EC50 Daphnia 1	> 300 mg/l
EC50 other aquatic organisms 1	> 300 mg/l
ErC50 (algae)	> 300 mg/l

Hydrogen peroxide (7722-84-1)	
LC50 fishes 1	37,4 mg/l 96h
EC50 Daphnia 1	7,7 mg/l 24h

12.2 Persistence and degradability

Cid 2000	
Persistence and degradability	Biodegradable.

12.3 Bioaccumulative potential

Cid 2000	
Bioaccumulative potential	No indication of bioaccumulation potential.

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

Waste disposal recommendations : Dispose of this material and its container to hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

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 unecessary 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

14.6.2. Transport by sea

Ship Safety Act : Oxidizing substances and organic peroxides/Oxidizing substances(Dangerous Goods Notification Schedule first second and third Article Dangerous Goods Regulations)

Port Regulation Law : Hazard-oxidizing substance class

MFAG-No : 140

14.6.3. Air transport

Civil Aeronautics Law : Oxidizing substances and organic peroxides/Oxidizing substances(Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)

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

15.1.2. National regulations

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

15.2 Chemical safety assessment

No additional information available

SECTION 16: Other information

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

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Org. Perox. D	Organic Peroxides, Type D
Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H242	Heating may cause a fire
H271	May cause fire or explosion; strong oxidiser
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
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_U

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