

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

1.1. Product identifier

Product form : Liquid
Product name. : Keno™fix Pro
Product code : 379

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

1.2.1. Relevant identified uses

Main use category : Professional 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
Worldwide	www.who.int/ipcs/poisons/centre/directory/en		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

F+; R12
R43
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) :


GHS02


GHS07

Signal word (CLP) : Danger

Hazard statements (CLP) : H220 - Extremely flammable gas
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (CLP) : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P305: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician Specific treatment.
P333 - If skin irritation or rash occurs:
P235 - Keep cool
P235 : Keep only in the original container in a cool, well ventilated place.
P102 - Keep out of reach of children

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according to Regulation (EC) No. 453/2010

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

Hazard symbols :



Xi - Irritant



F+ - Extremely flammable

R-phrases :

R12 - Extremely flammable
R43 - May cause sensitisation by skin contact

S-phrases :

S2 - Keep out of the reach of children
S3 - Keep in a cool place
S16 - Keep away from sources of ignition - No smoking
S23 - Do not breathe spray
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37 - Wear suitable gloves
S51 - Use only in well-ventilated areas

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 according to Directive 67/548/EEC
Dimethyl ether	(CAS No)115-10-6 (EC no)204-065-8 (EC index no)603-019-00-8 (REACH-no)01-2119472128-37	>= 45	F+; R12
Ethanol	(CAS No)64-17-5 (EC no)200-578-6 (EC index no)603-002-00-5 (REACH-no)01-2119457610-43	15 - 30	F; R11
Acetone	(CAS No)67-64-1 (EC no)200-662-2 (EC index no)606-001-00-8 (REACH-no)01-2119471330-49	5 - 15	F; R11 Xi; R36 R66 R67
4-chloro-3-methylphenol	(CAS No)59-50-7 (EC no)200-431-6 (EC index no)604-014-00-3 (REACH-no)01-2119938953-25	1 - 5	Xn; R21/22 Xi; R41 R43 N; R50

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dimethyl ether	(CAS No)115-10-6 (EC no)204-065-8 (EC index no)603-019-00-8 (REACH-no)01-2119472128-37	>= 45	Flam. Gas 1, H220
Ethanol	(CAS No)64-17-5 (EC no)200-578-6 (EC index no)603-002-00-5 (REACH-no)01-2119457610-43	15 - 30	Flam. Liq. 2, H225
Acetone	(CAS No)67-64-1 (EC no)200-662-2 (EC index no)606-001-00-8 (REACH-no)01-2119471330-49	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
4-chloro-3-methylphenol	(CAS No)59-50-7 (EC no)200-431-6 (EC index no)604-014-00-3 (REACH-no)01-2119938953-25	1 - 5	Eye Dam. 1, H318 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400

Full text of R- and H-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	: Not expected to require first aid measures.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: If you feel unwell, seek medical advice (show the label where possible).

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

Symptoms/injuries	: No data available.
Symptoms/injuries after inhalation	: No data available.
Symptoms/injuries after skin contact	: No data available.
Symptoms/injuries after eye contact	: No data available.
Symptoms/injuries after ingestion	: No data available.
Symptoms/injuries upon intravenous administration	: No data available.
Chronic symptoms	: No data available.

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

Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Powder. Sand. Carbon dioxide. Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable.
Explosion hazard	: In use, may form flammable/explosive vapour-air mixture.
Reactivity	: None under normal conditions.

5.3. Advice for firefighters

Precautionary measures fire	: No naked lights. No smoking.
Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

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

For containment : Collect spills and put it into appropriated container.

6.4. Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: No naked lights. No smoking. Store and handle as though always a serious potential fire/explosion and health hazard exists.
Precautions for safe handling	: Handle empty containers with care because residual vapours are flammable. Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required. Proper grounding procedures to avoid static electricity should be followed. In use, may form flammable/explosive vapour-air mixture.
Hygiene measures	: Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep in fireproof place. Keep only in the original container in a cool, well-ventilated place. Keep container closed when not in use.
Storage area	: Store away from direct sunlight or other heat sources.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection	: In case of repeated or prolonged contact wear gloves.
Eye protection	: Chemical goggles or face shield with safety glasses.
Skin and body protection	: Not required.
Respiratory protection	: No special protection required where adequate ventilation is maintained.
Other information	: When using, do not eat, drink or smoke. Provide local exhaust or general room ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: gas
Colour	: Blue.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
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

None under normal conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None under normal conditions. In use, may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

open flames. Overheating. Direct sunlight.

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10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not applicable
Irritation	: Not classified
Corrosivity	: Not applicable
Sensitisation	: May cause sensitisation by skin contact.
Repeated dose toxicity	: No data available.
Carcinogenicity	: No data available
Mutagenicity	: No data available.
Toxicity for reproduction	: No data available.
Potential Adverse human health effects and symptoms	: Irritating to eyes. May cause sensitization by skin contact.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

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Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : 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 : 1950

14.2. UN proper shipping name

Proper Shipping Name : AEROSOLS
Transport document description : UN 1950 AEROSOLS, 2.1, (D)

14.3. Transport hazard class(es)

Class (UN) : 2
Hazard labels (UN) : 2.1



14.4. Packing group

Packing group (UN) : F

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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

Tunnel restriction code : D
LQ : LQ02
Excepted quantities (ADR) : E0

14.6.2. Transport by sea

Ship Safety Act : Gases under pressure/Gases flammable under pressure
Port Regulation Law : Gases under pressure/Gases flammable under pressure
MFAg-No : 126

14.6.3. Air transport

Instruction "cargo" (ICAO) : 203
Instruction "passenger" (ICAO) : 203
Civil Aeronautics Law : Gases under pressure/Gases flammable under pressure

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) : 1 - slightly hazardous to water

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

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

Flam. Gas 1	H220
Eye Irrit. 2	H319
Skin Sens. 1	H317

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

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
R11	Highly flammable
R12	Extremely flammable
R21/22	Harmful in contact with skin and if swallowed
R36	Irritating to eyes
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
F+	Extremely flammable
N	Dangerous for the environment
Xi	Irritant
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