

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

#### 1.1. Product identifier

Product form	: Substance
Trade name	: Cyclohexane a.r.
EC Index-No.	: 601-017-00-1
EC-No.	: 203-806-2
CAS-No.	: 110-82-7
REACH registration No.	: 01-2119463273-41
Product code	: CL00.0338
Type of product	: Pure substance
Formula	: C <sub>6</sub> H <sub>12</sub>
Synonyms	: benzene hexahydride / benzene, hexahydro- / cyclohexane / formula No 96100 / hexahydrobenzene / hexamethylene / hexanaphthene
BIG No	: 10014

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemical

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Chem-Lab nv  
Industriezone 'De arend 2'  
Zedelgem – Belgium  
Belgium  
T +32 50 288320  
[info@chem-lab.be](mailto:info@chem-lab.be) - <https://www.chem-lab.be>

#### 1.4. Emergency telephone number

Emergency number : +32 50 28 83 20

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Aspiration hazard, Category 1	H304
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410
Full text of H- and EUH-statements: 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) :



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	GHS02	GHS08	GHS07	GHS09
Signal word (CLP)	: Danger			
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H410 - Very toxic to aquatic life with long lasting effects.			
Precautionary statements (CLP)	: P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P240 - Ground and bond container and receiving equipment. P273 - Avoid release to the environment. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 - Do NOT induce vomiting.			

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cyclohexane a.r.	CAS-No.: 110-82-7 EC-No.: 203-806-2 EC Index-No.: 601-017-00-1 REACH-no: 01-2119463273-41	100	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.
First-aid measures after inhalation	: Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.
First-aid measures after skin contact	: If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.
First-aid measures after eye contact	: Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.
First-aid measures after ingestion	: Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

Symptoms/effects after inhalation	: EXPOSURE TO HIGH CONCENTRATIONS: Nausea. Headache. Dizziness. Drowsiness. Disturbances of consciousness. Central nervous system depression. Coordination disorders. Mental confusion. Tremor. Disturbed motor response.
Symptoms/effects after skin contact	: Tingling/irritation of the skin.
Symptoms/effects after eye contact	: Slight irritation.
Symptoms/effects after ingestion	: AFTER INGESTION OF HIGH QUANTITIES: Nausea. Vomiting. Risk of aspiration pneumonia. Central nervous system depression. Diarrhoea. Symptoms similar to those listed under inhalation.
Chronic symptoms	: No effects known.

### 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	: Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (not alcohol-resistant).
Unsuitable extinguishing media	: Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: DIRECT FIRE HAZARD: Highly flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks. May build up electrostatic charges: risk of ignition.
Explosion hazard	: DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks.
Hazardous decomposition products in case of fire	: Upon combustion: CO and CO2 are formed.

### 5.3. Advice for firefighters

Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.
Protection during firefighting	: Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment	: Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034). Large spills/in enclosed spaces: gas-tight suit (EN 943). Large spills/in enclosed spaces: self-contained breathing apparatus (EN 136 + EN 137).
Emergency procedures	: Keep upwind. Mark the danger area. Consider evacuation. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

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### 6.3. Methods and material for containment and cleaning up

- For containment : Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
- Methods for cleaning up : Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

### 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 : Keep away from naked flames/heat. Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation. Comply with the legal requirements. Clean contaminated clothing. Keep container tightly closed. Handle uncleaned empty containers as full ones. Do not discharge the waste into the drain. Do not use compressed air for pumping over.
- Hygiene measures : Observe normal hygiene standards.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage temperature : > 6 °C
- Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
- Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. highly flammable materials. peroxides.
- Storage area : Meet the legal requirements. Under a shelter/in the open. Detached building. Store at room temperature. Keep container in a well-ventilated place. Fireproof storeroom. Store only in a limited quantity. Provide for a tub to collect spills. Provide the tank with earthing. Protect against frost.
- Special rules on packaging : SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
- Packaging materials : SUITABLE MATERIAL: steel. stainless steel. aluminium. iron. glass. tin. MATERIAL TO AVOID: synthetic material.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Cyclohexane a.r. (110-82-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	700 mg/m³
IOEL TWA [ppm]	200 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	350 mg/m³

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OEL TWA [ppm]	100 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	700 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	200 ppm
VLE (OEL C/STEL)	1300 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	375 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	700 mg/m <sup>3</sup>
TGG-8u (OEL TWA) [ppm]	200 ppm
TGG-15min (OEL STEL)	1400 mg/m <sup>3</sup>
TGG-15min (OEL STEL) [ppm]	400 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	350 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	100 ppm
WEL STEL (OEL STEL)	1050 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	300 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	100 ppm

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

Cyclohexane a.r. (110-82-7)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	1400 mg/m <sup>3</sup>
Acute - local effects, inhalation	1400 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2016 mg/kg bw/day
Long-term - systemic effects, inhalation	700 mg/m <sup>3</sup>
Long-term - local effects, inhalation	700 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	412 mg/m <sup>3</sup>
Acute - local effects, inhalation	412 mg/m <sup>3</sup>
Long-term - systemic effects, oral	59.4 mg/kg bw/day
Long-term - systemic effects, inhalation	206 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1186 mg/kg bw/day
Long-term - local effects, inhalation	206 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	44.7 µg/l

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PNEC aqua (marine water)	4.47 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	0.36 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.694 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3.24 mg/l

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Eye protection not required in normal conditions

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Protective clothing (EN 14605 or EN 13034)

##### Hand protection:

Protective gloves against chemicals (EN 374)

##### Other skin protection

##### Materials for protective clothing:

Excellent resistance: Nitrile rubber. Viton. Good resistance: Polyvinylalcohol (PVA). Tetrafluoroethylene. Less resistance: Butyl rubber. neoprene/butyl rubber. Natural rubber. neoprene (chloroprene rubber). Polyethylene. Polyvinylchloride (PVC). neoprene/natural rubber

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Colour	: Colourless.
Appearance	: Liquid.
Molecular mass	: 84.16 g/mol
Odour	: Mild odour. Sweet odour. Petroleum-like odour. Commercial/unpurified substance: irritating/pungent odour.
Odour threshold	: Not available
Melting point	: 7 °C
Freezing point	: Not available
Boiling point	: 81 °C
Flammability	: Not available
Explosive properties	: Not classified.
Oxidising properties	: Not classified.
Explosive limits	: 1.3 – 8.4 vol % 40 – 305 g/m <sup>3</sup>
Lower explosion limit	: 1.3 vol %
Upper explosion limit	: 8.4 vol %
Flash point	: -20 °C (Closed cup, 1013 hPa)
Auto-ignition temperature	: 260 °C (T3)
Decomposition temperature	: No data available in the literature
pH	: 7 (0.005 %, 24 °C)
Viscosity, kinematic	: 1.16 mm <sup>2</sup> /s (26 °C, Calculated)
Viscosity, dynamic	: 0.894 mPa.s (25 °C)
Solubility	: Insoluble in water. Substance floats in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in tetrachloromethane. Soluble in ligroin. Soluble in oils/fats. Soluble in methanol. Water: 0.005 g/100ml (24 °C)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 3.44 (Experimental value, 25 °C)
Vapour pressure	: 124 hPa (24 °C)
Vapour pressure at 50°C	: 362 hPa (Antoine equation)
Critical pressure	: 40700 hPa
Saturation concentration	: 10.13 %
Density	: 774 kg/m <sup>3</sup> (25 °C)
Relative density	: 0.77 (25 °C)
Relative vapour density at 20°C	: 2.9
Relative density of saturated gas/air mixture	: 1.2
Particle characteristics	: Not applicable

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

Explosion limits	: 1.3 – 8.4 vol % 40 – 305 g/m <sup>3</sup>
Critical temperature	: 280 °C

### 9.2.2. Other safety characteristics

Minimum ignition energy	: 0.22 mJ
Relative evaporation rate (butylacetate=1)	: 6
Relative evaporation rate (ether=1)	: 2.6
Specific conductivity	: < 2 pS/m
VOC content	: 100 %
Other properties	: Gas/vapour heavier than air at 20°C, Clear, Volatile, Neutral reaction, May generate electrostatic charges

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Violent to explosive reaction with (strong) oxidizers: (increased) risk of fire/explosion.

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Cyclohexane a.r. (110-82-7)

LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 32.88 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))

Skin corrosion/irritation : Causes skin irritation.  
pH: 7 (0.005 %, 24 °C)  
Serious eye damage/irritation : Not classified  
pH: 7 (0.005 %, 24 °C)  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.  
STOT-repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.

#### Cyclohexane a.r. (110-82-7)

Viscosity, kinematic	1.16 mm <sup>2</sup> /s (26 °C, Calculated)
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### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

#### 11.2.2. Other information

Potential adverse human health effects and symptoms : Non-toxic if swallowed (LD50 oral, rat > 5000 mg/kg), May be fatal if swallowed and enters airways, Causes skin irritation, Practically non-toxic in contact with skin (LD50 skin > 2000 mg/kg), May cause drowsiness or dizziness, Practically non-toxic by inhalation (LC50 inh, rat > 20 mg/l/4h), Slightly irritant to eyes, Caution! Substance is absorbed through the skin

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: Dangerous for the environment.
Ecology - air	: Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Photooxidation in the air. Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water	: Very toxic to crustacea (Daphnia). Toxic to fishes. Groundwater pollutant. Fouling to shoreline. Nitrification of activated sludge is inhibited. Toxic to algae. Harmful to bacteria.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.
Not rapidly degradable	

#### Cyclohexane a.r. (110-82-7)

LC50 - Fish [1]	4.53 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration)
EC50 - Crustacea [1]	0.9 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	9.317 mg/l (Equivalent or similar to OECD 201, Pseudokirchneriella subcapitata, Experimental value, Growth rate)

#### 12.2. Persistence and degradability

##### Cyclohexane a.r. (110-82-7)

Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.22 g O <sub>2</sub> /g substance
ThOD	3.425 g O <sub>2</sub> /g substance

#### 12.3. Bioaccumulative potential

##### Cyclohexane a.r. (110-82-7)

BCF - Fish [1]	167 l/kg (Pimephales promelas, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.44 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

#### 12.4. Mobility in soil

##### Cyclohexane a.r. (110-82-7)

Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.89 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

#### 12.5. Results of PBT and vPvB assessment

##### Cyclohexane a.r. (110-82-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Do not discharge into drains or the environment. Dispose of at authorized waste collection point. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.
Additional information	: Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
European List of Waste (LoW) code	: 15 01 10* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 1145	UN 1145	UN 1145	UN 1145	UN 1145
<b>14.2. UN proper shipping name</b>				
cyclohexane	cyclohexane	cyclohexane	cyclohexane	cyclohexane
<b>Transport document description</b>				
UN 1145 cyclohexane, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1145 cyclohexane, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1145 cyclohexane, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1145 cyclohexane, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1145 cyclohexane, 3, II, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

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### 14.6. Special precautions for user

#### Overland transport

Transport regulations (ADR) : Subject to the provisions  
Classification code (ADR) : F1  
Hazard identification number (Kemler No.) : 33  
Orange plates :



Tunnel restriction code (ADR) : D/E  
EAC code : 3YE

#### Transport by sea

Transport regulations (IMDG) : Subject to the provisions  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D

#### Air transport

Transport regulations (IATA) : Subject to the provisions

#### Inland waterway transport

Classification code (ADN) : F1  
Carriage permitted (ADN) : T

#### Rail transport

Transport regulations (RID) : Subject to the provisions  
Classification code (RID) : F1

### 14.7. Maritime transport in bulk according to IMO instruments

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

##### REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

##### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

##### POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

##### Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

##### VOC Directive (2004/42)

VOC content : 100 %

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

#### France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

#### Germany

Employment restrictions

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK)

: WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 63).

Storage class (LGK, TRGS 510)

: LGK 3 - Flammable liquids.

Joint storage table

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for

: LGK 1, LGK 2A, LGK 4.1A, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1C, LGK 5.2, LGK 6.1B, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for

: LGK 5.1B, LGK 6.1D, LGK 11, LGK 10-13.

Joint storage permitted for

: LGK 2B, LGK 3, LGK 6.1A, LGK 6.1C, LGK 8A, LGK 8B, LGK 10, LGK 12, LGK 13.

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Technical Instructions on Air Quality Control (TA Luft)

: 5.2.5 Organic Substances.

#### Netherlands

ABM category	: B(1) - highly toxic for aquatic organisms
SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed

#### Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

#### Switzerland

Storage class (LK)	: LK 3 - Flammable liquids
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### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
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# Cyclohexane a.r.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Full text of H- and EUH-statements:

Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

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.