

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Substance  
Trade name : UN1145 Cyclohexane HPLC GGR  
Chemical name : cyclohexane  
IUPAC name : cyclohexane  
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 : CYHX-00H  
Formula : C<sub>6</sub>H<sub>12</sub>

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Laboratory use

**1.2.2. Uses advised against**

No additional information available

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

labbox labware s.l.  
Migjorn, 1  
P.O. Box Barcelona (SPAIN)  
08338 Premia de Dalt – SPAIN  
ES  
T +34 937 07 79 70 - F +34 937 909 532  
[info@labbox.com](mailto:info@labbox.com) - [www.labbox.com](http://www.labbox.com)

**1.4. Emergency telephone number**

Emergency number : +34 937 077 970 (For technical information\_Office Hours) In case of medical emergency phone 112 or to your local emergency number.

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	

**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

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### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Hazard statements (CLP)

Precautionary statements (CLP)

- : Danger
- : 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.
- : P240 - Ground/bond container and receiving equipment.
- : P271 - Use only outdoors or in a well-ventilated area.
- : P273 - Avoid release to the environment.
- : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- : P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- : P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%
Cyclohexane	CAS-No.: 110-82-7 EC-No.: 203-806-2 EC Index-No.: 601-017-00-1 REACH-no: 01-2119463273-41	100

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
- First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Call a physician immediately.

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

- Symptoms/effects after inhalation : May cause headache, nausea and irritation of respiratory tract.
- Symptoms/effects after skin contact : Causes skin irritation.

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Symptoms/effects after eye contact : mild eye irritation.  
Symptoms/effects after ingestion : Harmful if swallowed.

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

Never give anything by mouth to an unconscious person.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : ABC-powder.  
Unsuitable extinguishing media : Strong water jet.

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

Fire hazard : Flammable liquid and vapour. Agitation can cause build up of electrostatic charge.  
Explosion hazard : May form flammable/explosive vapour-air mixture.  
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>).

### 5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.  
Firefighting instructions : Use water spray or fog for cooling exposed containers.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures : Evacuate area.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Breathing apparatus.  
Emergency procedures : Stop leak if safe to do so.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Methods for cleaning up : Collect spillage. This material and its container must be disposed of in a safe way, and as per local legislation. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Clean contaminated surfaces with an excess of water.

### 6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Use personal protective equipment as required. Take precautionary measures against static discharge.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Incompatible products : Oxidizing agent.

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Incompatible materials	: Direct sunlight. Sources of ignition. Heat sources.
Storage temperature	: > 6 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Store in a closed container. Keep only in original container.

### 7.3. Specific end use(s)

Laboratory chemicals.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

UN1145 Cyclohexane HPLC GGR (110-82-7)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Cyclohexane
IOEL TWA	700 mg/m <sup>3</sup>
IOEL TWA [ppm]	200 ppm
<b>France - Occupational Exposure Limits</b>	
Local name	Cyclohexane
VME (OEL TWA)	700 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	200 ppm
VLE (OEL Ceiling/STEL)	1300 mg/m <sup>3</sup>
VLE (OEL Ceiling/STEL) [ppm]	375 ppm
Remark	VME réglementaire contraignante; la VLE n'est pas réglementaire et provient d'une circulaire du ministère chargé du travail
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	Cyclohexan
AGW (OEL TWA) [1]	700 mg/m <sup>3</sup>
AGW (OEL TWA) [2]	200 ppm
Remark	DFG,EU
<b>Italy - Occupational Exposure Limits</b>	
Local name	Cicloesano
OEL TWA	350 mg/m <sup>3</sup>
OEL TWA [ppm]	100 ppm
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Ciclo-hexano
OEL TWA [ppm]	100 ppm
<b>Spain - Occupational Exposure Limits</b>	
Local name	Ciclohexano
VLA-ED (OEL TWA) [1]	700 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	200 ppm

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Remark	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país), r (Esta sustancia tiene establecidas restricciones a la fabricación, la comercialización o el uso en los términos especificados en el "Reglamento (CE) nº 1907/2006 sobre Registro, Evaluación, Autorización y Restricción de sustancias y preparados químicos" (REACH) de 18 de diciembre de 2006 (DOUE L 369 de 30 de diciembre de 2006). Las restricciones de una sustancia pueden aplicarse a todos los usos o sólo a usos concretos. El anexo XVII del Reglamento REACH contiene la lista de todas las sustancias restringidas y especifica los usos que se han restringido).
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### United Kingdom - Occupational Exposure Limits

Local name	Cyclohexane
WEL TWA [1]	350 mg/m <sup>3</sup>
WEL TWA [2]	100 ppm
WEL STEL	1050 mg/m <sup>3</sup>
WEL STEL (ppm)	300 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

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#### DNEL/DMEL (Workers)

Acute - systemic effects, inhalation	700 mg/m <sup>3</sup>
Acute - local effects, inhalation	700 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2016 mg/kg bodyweight/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 bodyweight/day
Long-term - systemic effects, inhalation	206 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1186 mg/kg bodyweight/day
Long-term - local effects, inhalation	206 mg/m <sup>3</sup>

#### PNEC (Water)

PNEC aqua (freshwater)	0,207 mg/l
PNEC aqua (marine water)	0,207 mg/l
PNEC aqua (intermittent, freshwater)	0,207 mg/l

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<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	3,627 mg/kg dwt
PNEC sediment (marine water)	3,627 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	2,99 mg/kg dwt
<b>PNEC (STP)</b>	
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:**

EN 374.

**Personal protective equipment symbol(s):**



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Protective goggles (EN 166)

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

protective gloves

#### 8.2.2.3. Respiratory protection

No additional information available

#### 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
Colour	: Colourless.
Molecular mass	: 84,16 g/mol
Odour	: Irritating.
Odour threshold	: Not available
Melting point	: 6,5 °C
Freezing point	: Not available

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Boiling point	: 80,7 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: 1,3 vol %
Upper explosion limit	: 8,4 vol %
Flash point	: -20 °C Atm. press.: 1013,5 hPa
Auto-ignition temperature	: 260 °C
Decomposition temperature	: Not available
pH	: 7 52 mg/l, 23.5 °C
Viscosity, kinematic	: 1,161 mm <sup>2</sup> /s
Viscosity, dynamic	: 0,894 mPa·s Temp.: 'other:25.0°C' Parameter: 'dynamic viscosity (in mPa s)'
Solubility	: Material insoluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in tetrachloroethane. Soluble in ligroin. Soluble in oils/fats. Soluble in methanol. Water: 52 mg/l (23.5 °C)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 3,44
Vapour pressure	: 124 hPa Temp.: 24 °C
Vapour pressure at 50 °C	: Not available
Critical pressure	: 40700 hPa
Density	: 0,77 g/cm <sup>3</sup> Type: 'density' Temp.: 25 °C
Relative density	: 778 kg/m <sup>3</sup> (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

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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Oxidation agents.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

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### 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

UN1145 Cyclohexane HPLC GGR (110-82-7)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 32,88 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
Skin corrosion/irritation	: Causes skin irritation. pH: 7 52 mg/l, 23.5 °C
Serious eye damage/irritation	: Not classified pH: 7 52 mg/l, 23.5 °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.

UN1145 Cyclohexane HPLC GGR (110-82-7)	
Viscosity, kinematic	1,161 mm <sup>2</sup> /s

#### 11.2. Information on other hazards

No additional information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

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.

UN1145 Cyclohexane HPLC GGR (110-82-7)	
LC50 - Fish [1]	4,53 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	4,53 mg/l Peixe – Pimephales promelas
LC50 - Other aquatic organisms [1]	0,9 mg/l Daphnia – Daphnia magna
EC50 - Daphnia [1]	0,9 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	3,4 mg/l Algas – Selenastrum capricornutum
EC50 72h - Algae [1]	3,4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	9,317 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)



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### 12.2. Persistence and degradability

#### UN1145 Cyclohexane HPLC GGR (110-82-7)

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

#### UN1145 Cyclohexane HPLC GGR (110-82-7)

BCF - Fish [1]	167
Partition coefficient n-octanol/water (Log Pow)	3,44
Bioaccumulative potential	Low.

### 12.4. Mobility in soil

#### UN1145 Cyclohexane HPLC GGR (110-82-7)

Surface tension	0,025 N/m
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 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

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Must follow special treatment according to local regulation.

## SECTION 14: Transport information

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

### 14.1. UN number or ID number

UN-No. (ADR)	: UN 1145
UN-No. (IMDG)	: UN 1145
UN-No. (IATA)	: UN 1145
UN-No. (ADN)	: UN 1145
UN-No. (RID)	: UN 1145

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CYCLOHEXANE
Proper Shipping Name (IMDG)	: CYCLOHEXANE
Proper Shipping Name (IATA)	: Cyclohexane
Proper Shipping Name (ADN)	: CYCLOHEXANE
Proper Shipping Name (RID)	: CYCLOHEXANE
Transport document description (ADR)	: UN 1145 CYCLOHEXANE, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 1145 CYCLOHEXANE, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (-18°C c.c.)
Transport document description (IATA)	: UN 1145 Cyclohexane, 3, II, ENVIRONMENTALLY HAZARDOUS

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Transport document description (ADN) : UN 1145 CYCLOHEXANE, 3, II, ENVIRONMENTALLY HAZARDOUS  
Transport document description (RID) : UN 1145 CYCLOHEXANE, 3, II, ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3  
Danger labels (ADR) : 3



#### IMDG

Transport hazard class(es) (IMDG) : 3  
Danger labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3  
Danger labels (IATA) : 3



#### ADN

Transport hazard class(es) (ADN) : 3  
Danger labels (ADN) : 3



#### RID

Transport hazard class(es) (RID) : 3  
Danger labels (RID) : 3



### 14.4. Packing group

Packing group (ADR) : II  
Packing group (IMDG) : II  
Packing group (IATA) : II  
Packing group (ADN) : II  
Packing group (RID) : II

### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available


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### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: F1
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	: 
Tunnel restriction code (ADR)	: D/E
EAC code	: 3YE

#### Transport by sea

Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: E
Flash point (IMDG)	: -18°C c.c.
Properties and observations (IMDG)	: Colourless, mobile liquid with a sweet aromatic odour. Flashpoint: -18°C c.c. Explosive limits: 1.2% to 8.4% Immiscible with water. Slightly irritating to skin, eyes and mucous membranes. Narcotic in high concentrations.

#### Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3H

#### Inland waterway transport

Classification code (ADN)	: F1
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1

#### Rail transport

Classification code (RID)	: F1
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02, R001

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Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33

### 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)

###### EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3.	UN1145 Cyclohexane HPLC GGR
3(a)	UN1145 Cyclohexane HPLC GGR
3(b)	UN1145 Cyclohexane HPLC GGR
3(c)	UN1145 Cyclohexane HPLC GGR
40.	UN1145 Cyclohexane HPLC GGR
57.	UN1145 Cyclohexane HPLC GGR

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

UN1145 Cyclohexane HPLC GGR is not on the REACH Annex XIV List

##### REACH Candidate List (SVHC)

UN1145 Cyclohexane HPLC GGR is not on the REACH Candidate List

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

UN1145 Cyclohexane HPLC GGR is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

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

UN1145 Cyclohexane HPLC GGR is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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

Cyclohexane is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

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### 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

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 63).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
SZW-lijst van mutagene stoffen : The substance is not listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed  
NIET-limitatieve lijst van voor de voortplanting giftige 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

### 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
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.