

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Date of issue: 05/06/2014 Revision date: 30/09/2022 Supersedes version of: 10/04/2018 Version: 2.2

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

Product form : Substance  
Trade name : UN1208 n-Hexane 95% AGR, ACS, Ph.Eur.  
Chemical name : n-hexane  
IUPAC name : n-hexane  
EC Index-No. : 601-037-00-0  
EC-No. : 203-777-6  
CAS-No. : 110-54-3  
Product code : HXAN-50A

**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  
Reproductive toxicity, Category 2 H361f  
Aspiration hazard, Category 1 H304  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Skin corrosion/irritation, Category 2 H315  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H and EUH statements: see section 16

Specific concentration limits:

( 5 ≤C < 100)

STOT RE 2, H373

**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.
- : H361f - Suspected of damaging fertility.
- : H304 - May be fatal if swallowed and enters airways.
- : H373 - May cause damage to organs through prolonged or repeated exposure.
- : H315 - Causes skin irritation.
- : H336 - May cause drowsiness or dizziness.
- : H411 - Toxic to aquatic life with long lasting effects.
- : P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- : P240 - Ground/bond container and receiving equipment.
- : 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.
- : P308+P313 - IF exposed or concerned: Get medical advice/attention.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%
Hexane	CAS-No.: 110-54-3 EC-No.: 203-777-6 EC Index-No.: 601-037-00-0	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 : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. If you feel unwell, seek medical advice.

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

- Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
- Symptoms/effects after skin contact : Causes skin irritation.

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Symptoms/effects after ingestion : nausea, vomiting.

### 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 : Water.

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

Fire hazard : Combustible liquid.  
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>).

### 5.3. Advice for firefighters

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 : Do not inhale vapour.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe gas. Do not breathe vapours.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation.

### 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 : Ensure good ventilation of the work station. Eliminate all ignition sources if safe to do so. Avoid contact with skin, eyes and clothing. Do not breathe vapours.  
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

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep container tightly closed.  
Incompatible products : Oxidizing agent.  
Storage temperature : 20 °C

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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

UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. (110-54-3)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	n-Hexane
IOEL TWA	72 mg/m <sup>3</sup>
IOEL TWA [ppm]	20 ppm
<b>France - Occupational Exposure Limits</b>	
Local name	n-Hexane
VME (OEL TWA)	72 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	20 ppm
Remark	Valeurs réglementaires contraignantes; substance classée toxique pour la reproduction de catégorie 2
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	n-Hexan
AGW (OEL TWA) [1]	180 mg/m <sup>3</sup>
AGW (OEL TWA) [2]	50 ppm
Remark	DFG,EU,Y
<b>Italy - Occupational Exposure Limits</b>	
Local name	n-Esano
OEL TWA	72 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
<b>Portugal - Occupational Exposure Limits</b>	
Local name	n-Hexano
OEL TWA [ppm]	50 ppm
<b>Spain - Occupational Exposure Limits</b>	
Local name	n-Hexano
VLA-ED (OEL TWA) [1]	72 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	20 ppm
Remark	VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento), 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).

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#### United Kingdom - Occupational Exposure Limits

Local name	n-Hexane
WEL TWA [1]	72 mg/m <sup>3</sup>
WEL TWA [2]	20 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

### UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. (110-54-3)

#### DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	11 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	75 mg/m <sup>3</sup>

#### DNEL/DMEL (General population)

Long-term - systemic effects, oral	4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	16 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	5,3 mg/kg bodyweight/day

#### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 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:

Safety glasses

#### 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

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### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

The present safety data sheet is consistent with the specific conditions relied on to justify the registration of the substance as isolated intermediate.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Liquid.
Molecular mass	: 86,18 g/mol
Odour	: Not available
Odour threshold	: Not available
Melting point	: -95,35 °C Atm. press.: 101,3 kPa
Freezing point	: Not available
Boiling point	: 68,73 °C Atm. press.: 101,3 kPa
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: 1,1 vol %
Upper explosion limit	: 7,5 vol %
Flash point	: -22 °C Atm. press.: 101,3 kPa
Auto-ignition temperature	: > 280 °C 1013 hPa
Decomposition temperature	: Not available
pH	: 7 (0.01 g/l, 25 °C)
Viscosity, kinematic	: 0,455 mm <sup>2</sup> /s (20° C)
Viscosity, dynamic	: 0,3 mPa·s Temp.: 'other:25.0°C' Parameter: 'dynamic viscosity (in mPa s)'
Solubility	: insoluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in oils/fats. Water: < 0,01 g/100ml
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 4
Vapour pressure	: 100 hPa (9.8 °C)
Vapour pressure at 50 °C	: 180
Critical pressure	: 30120 hPa
Density	: 660 kg/m <sup>3</sup> (25 °C)
Relative density	: 0,66 (25 °C)
Relative vapour density at 20 °C	: 2,97
Relative density of saturated gas/air mixture	: 1,3
Particle characteristics	: Not applicable

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

Minimum ignition energy	: 0,24 mJ
Relative evaporation rate (ether=1)	: 1,3
Specific conductivity	: 0,00001 pS/m
VOC content	: 100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

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### 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

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

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LD50 oral rat	16000 mg/kg bodyweight
LD50 dermal rabbit	> 3350 mg/kg bodyweight
LC50 inhalation rat (ppm)	> 5000 ppm

Skin corrosion/irritation : Causes skin irritation.  
pH: 7 (0.01 g/l, 25 °C)  
Serious eye damage/irritation : Not classified  
pH: 7 (0.01 g/l, 25 °C)  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Suspected of damaging fertility.  
STOT-single exposure : May cause drowsiness or dizziness.  
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.  
Aspiration hazard : May be fatal if swallowed and enters airways.

#### UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. (110-54-3)

Viscosity, kinematic	0,455 mm <sup>2</sup> /s (20° C)
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### 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) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

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### 12.2. Persistence and degradability

#### UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. (110-54-3)

Persistence and degradability	Readily biodegradable.
ThOD	3,52 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

#### UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. (110-54-3)

BCF - Fish [1]	501,187
Partition coefficient n-octanol/water (Log Pow)	4

### 12.4. Mobility in soil

#### UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. (110-54-3)

Surface tension	0,018 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

Waste treatment methods : Must follow special treatment according to local regulation.  
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

### 14.1. UN number or ID number

UN-No. (ADR) : UN 1208  
UN-No. (IMDG) : UN 1208  
UN-No. (IATA) : UN 1208  
UN-No. (ADN) : UN 1208  
UN-No. (RID) : UN 1208

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : HEXANES  
Proper Shipping Name (IMDG) : HEXANES  
Proper Shipping Name (IATA) : Hexanes  
Proper Shipping Name (ADN) : HEXANES  
Proper Shipping Name (RID) : HEXANES  
Transport document description (ADR) : UN 1208 HEXANES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS  
Transport document description (IMDG) : UN 1208 HEXANES, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS  
Transport document description (IATA) : UN 1208 Hexanes, 3, II, ENVIRONMENTALLY HAZARDOUS  
Transport document description (ADN) : UN 1208 HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS  
Transport document description (RID) : UN 1208 HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS



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### 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

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : F1

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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
Properties and observations (IMDG)	: Colourless, volatile liquids with a faint odour. Explosive limits: 1.1% to 7.5% n-HEXANE: flashpoint -22°C c.c. boiling point 69°C. NEOHEXANE: flashpoint -48°C c.c. boiling point 50°C. Immiscible with water. Slightly irritating to skin, eyes and mucous membranes.

### 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
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

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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.	UN1208 n-Hexane 95% AGR, ACS, Ph.Eur.
40.	UN1208 n-Hexane 95% AGR, ACS, Ph.Eur.

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

UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. is not on the REACH Annex XIV List

##### REACH Candidate List (SVHC)

UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. is not on the REACH Candidate List

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

UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. 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)

UN1208 n-Hexane 95% AGR, ACS, Ph.Eur. 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)

Hexane 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.

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

VOC content : 100 %

##### 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.

#### 15.1.2. National regulations

##### France

Occupational diseases	
Code	Description
RG 59	Occupational poisoning by hexane

##### Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 124).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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### 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	: Hexane is 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 Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
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.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, 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.