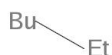


**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name	: Hexane
IUPAC name	: Hexane
EC Index-No.	: 601-037-00-0
EC-No.	: 203-777-6
MAL code	: 00-1 (Executive Order No. 301 from 1993)
CAS-No.	: 110-54-3
REACH registration No.	: 01-2119474209-33-XXXX
Formula	: C <sub>6</sub> H <sub>14</sub>
Chemical structure	:

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

Main use category	: Industrial use, Professional use
Use of the substance/mixture	: Manufacture of substance Distribution of substance Use as an intermediate Formulation and (re)packing of substances and mixtures Use in Coatings - Industrial Use in Cleaning Agents - Industrial Lubricants - Industrial Blowing agents Use as a fuel - Industrial Functional Fluids - Industrial Use in laboratories - Industrial Rubber production and processing Polymer processing - Industrial Mining chemicals Use in Coatings - Professional Use in Cleaning Agents - Professional Agrochemical uses - Professional Use as a fuel - Professional Functional Fluids - Professional Use in laboratories - Professional Polymer processing - Professional
Use of the substance/mixture	: Solvent Cleansing product Laboratory chemical Paint: component

**1.2.2. Uses advised against**

No additional information available

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

Same Chemicals  
Achterom 78  
2991 CV Barendrecht  
Netherlands

# Hexane

## Safety Data Sheet

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

T +31 (0)10 8917 355

[chemicals@samechemicals.com](mailto:chemicals@samechemicals.com) - [www.samechemicals.com](http://www.samechemicals.com)

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

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

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

#### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Hazard pictograms (CLP)



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.  
H361f - Suspected of damaging fertility.  
H373 - May cause damage to organs (nervous system) through prolonged or repeated exposure (if inhaled).  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P201 - Obtain special instructions before use.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing vapours, gas, mist, fume, spray.  
P280 - Wear protective gloves, eye protection, protective clothing.  
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting.  
P391 - Collect spillage.

Listed on CLP Annex VI

: EC Index-No.: 601-037-00-0

#### Nordic countries regulation

**Denmark**

MAL code

: 00-1 (Executive Order No. 301 from 1993)

# Hexane

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### 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

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich	CAS-No.: 110-54-3 EC-No.: 203-777-6 EC Index-No.: 601-037-00-0 REACH-no: 01-2119474209-33-XXXX	100	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service. Give oxygen or artificial respiration if necessary.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Take victim to a doctor/medical service if irritation persists.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects	: May cause drowsiness or dizziness. Cramps/uncontrolled muscular contractions.
Symptoms/effects after inhalation	: Respiratory difficulties. Narcosis. Disturbances of consciousness. Vomiting. Impaired concentration. Dizziness. Headache. Inhalation may cause irritation (cough, short breathing, difficulty in breathing). May cause an allergic skin reaction.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after ingestion	: Risk of lung oedema.

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

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

This material, or a component, may be associated with cardiac sensitization following very high exposures (well above occupational exposure limits) or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine.

Administration of such substances should be avoided. Contains hexane; individuals with pre-existing neurological disease should avoid exposure.

# Hexane

## Safety Data Sheet

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Solid water jet ineffective as extinguishing medium. Do not use a heavy water stream.

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

- Fire hazard : Highly flammable liquid and vapour.  
Hazardous decomposition products in case of fire : Toxic fumes may be released. carbon oxide.

#### 5.3. Advice for firefighters

- Precautionary measures fire : Eliminate all ignition sources if safe to do so. Keep container closed when not in use. This product is not to be used under conditions of poor ventilation. Keep container tightly closed and away from heat, sparks and flame. Keep cool. Protect from sunlight.
- Firefighting instructions : If exposed to fire cool the closed containers by spraying with water. Keep people away. Isolate the area where it burns and do not stand unnecessary entrance. Use water spray around containers that have been exposed to fire and put it on the fire  
cool the affected area until the fire is extinguished and the danger of re-ignition has passed. Fight fire from protected place or at a safe distance. Consider using unmanned water cannons. Immediately remove all personnel from the area upon detection the safety valve or discoloration of the container. Burning liquids can be extinguished by diluting with water. Do not use a direct water jet. This can spread the fire.  
Move container away from fire area, if this can be done without danger. Burning liquids may be removed with running water to protect personnel and damage to minimize property. Take account of environmentally hazardous firefighting water. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

- General measures : If leakage cannot be stopped, evacuate the area. Ensure adequate ventilation. Avoid breathing vapors / spray and contact with skin and eyes. Not spilled material touch or walk in. Eliminate all sources of ignition. Keep away from heat, sparks and open fire. Wear protective clothing as described in Section 8 of this Safety Data Sheet.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours, gas, mist, fume, spray. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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

- For containment : Collect spillage. Cover spill with non combustible material, e.g.: sand, earth, vermiculite.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Take up liquid spill into absorbent material, e.g.: dry sand/earth(vermiculite or kieselguhr. Do not use compressed air for pumping over spills.  
Other information : Dispose of materials or solid residues at an authorized site.

# Hexane

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

### 6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: In use, may form flammable vapour-air mixture. Handle empty containers with care because residual vapours are flammable. Flammable vapours may accumulate in the container. Do not spray on an open flame or other ignition source. Protect from direct sunlight. Do not pierce or burn, even after use.
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapours, gas, mist, fume, spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Incompatible products	: Oxidizing agent. Strong acids.
Incompatible materials	: Sources of ignition. Heat sources. Direct sunlight.
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.
Storage area	: Keep out of direct sunlight. Store away from heat. Fireproof storeroom. Store in a well-ventilated place. Store in a cool area.

### 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

No additional information available

#### 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

<b>Hexane (110-54-3)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	11 mg/kg bodyweight/day

# Hexane

## Safety Data Sheet

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

Hexane (110-54-3)	
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
PNEC (additional information)	
According to the CLP legislation (2008) n-hexane is classified for the environment as chronic category 3 with the hazard statement H411	Toxic to aquatic life with long lasting effects.

### 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:

Wear recommended personal protective equipment.

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
Safety goggles		With side shields	EN 166

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear fire/flammable resistant/retardant clothing. Chemical resistant safety shoes

##### Hand protection:

Protective gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Fluoroelastomer (FKM)	6 (> 480 minutes)	0.35 - 0.5		EN ISO 374

##### Other skin protection

##### Materials for protective clothing:

Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

# Hexane

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Respiratory protection			
Device	Filter type	Condition	Standard
Gas mask	Type A - High-boiling (>65 °C) organic compounds		

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Clear liquid.
Molecular mass	: 86.18 g/mol
Odour	: Petroleum-like odour. Mild odour.
Odour threshold	: 64 – 244 ppm 225 – 859 mg/m <sup>3</sup>
Melting point	: < -95 °C
Freezing point	: Not available
Boiling point	: 65 – 70
Flammability	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: not oxidising.
Lower explosion limit	: 1.2 vol %
Upper explosion limit	: 8 vol %
Flash point	: -28 °C
Auto-ignition temperature	: 267 °C
Decomposition temperature	: Not available
pH	: 7
Viscosity, kinematic	: 0.4 mm <sup>2</sup> /s at 40° C
Solubility	: Insoluble in water. Substance floats in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in oils/fats. Water: 0.01 g/100ml insoluble Ethanol: Ether: Acetone:
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 18 kPa at 20° C
Vapour pressure at 50°C	: Not available
Density	: 0.67 g/cm <sup>3</sup> at 15° C
Relative density	: 0.67
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

Explosion limits	: 42 – 265 g/m <sup>3</sup>
Critical temperature	: 234

# Hexane

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### 9.2.2. Other safety characteristics

Minimum ignition energy	: 0.24 mJ
Relative evaporation rate (butylacetate=1)	: 10
Relative evaporation rate (ether=1)	: 1.3
Specific conductivity	: 100 pS/m
VOC content	: 567 g/l
Other properties	: Gas/vapour heavier than air at 20°C,Clear,Volatile

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 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

Hexane (110-54-3)	
LD50 oral rat	24 ml/kg
LD50 dermal rabbit	5 ml/kg
LC50 Inhalation - Rat (Vapours)	20 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: 7
Serious eye damage/irritation	: Not classified pH: 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Caused damage to fertility in laboratory animals, but the relevance to humans is uncertain. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 414 416
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs (nervous system) through prolonged or repeated exposure (if inhaled).
Aspiration hazard	: May be fatal if swallowed and enters airways.

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### Hexane (110-54-3)

Viscosity, kinematic	0.4 mm <sup>2</sup> /s at 40° C
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### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: Endocrine disrupting properties

The substance has not been identified as having endocrine disrupting properties in accordance with Regulation (EU) 2017/2100 or Regulation 2018/605, nor has it been included in the Candidate List of Substances of Very High Concern under EU REACH Article 59 due to this property.

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)

: Product - Is expected to be harmful to aquatic organisms.

Product - May cause long-term adverse effects in the aquatic environment

Hazardous to the aquatic environment, long-term (chronic)

: Toxic to aquatic life with long lasting effects.

### Hexane (110-54-3)

LC50 - Fish [1]	2.5 mg/l
EC50 - Crustacea [1]	2.1 mg/l
EC50 72h - Algae [1]	9.285 mg/l

### 12.2. Persistence and degradability

### Hexane (110-54-3)

Persistence and degradability	Readily biodegradable in water. Photooxidation in water. Biodegradable in the soil. Low potential for mobility in soil.
ThOD	3.52 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.63 % ThOD
Biodegradation	98 % in 28 days

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

### Hexane (110-54-3)

Mobility in soil	Material -- Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.
------------------	--------------------------------------------------------------------------------------------------------------------------

### 12.5. Results of PBT and vPvB assessment

### Hexane (110-54-3)

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

# Hexane

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### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : See 2.3 and 11.2.

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.






## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Do not burn empty packaging. Do not cut using a blowtorch. Beware of residues or vapours which remain in the drums.  
Additional information : Flammable vapours may accumulate in the container.

## 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 1208	UN 1208	UN 1208	UN 1208	UN 1208
<b>14.2. UN proper shipping name</b>				
HEXANES	HEXANES	Hexanes	HEXANES	HEXANES
<b>Transport document description</b>				
UN 1208 HEXANES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1208 HEXANES, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1208 Hexanes, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1208 HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1208 HEXANES, 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				

### 14.6. Special precautions for user

#### Overland transport

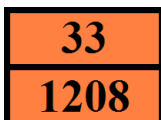
Classification code (ADR) : F1  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E2  
Packing instructions (ADR) : P001, IBC02, R001

# Hexane

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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

### 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
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

# Hexane

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

### 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(a)	Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich
3(b)	Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich
3(c)	Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich
40.	Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich

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

Not applicable.

###### 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 : 567 g/l

###### 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)

###### 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 59	Occupational poisoning by hexane
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 3, Highly hazardous to water (Classification according to AwSV; ID No. 124).

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

###### Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

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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	: Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich is listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed

### Denmark

MAL code	: 00-1 (Executive Order No. 301 from 1993)
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

A chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

CAS-No.	Chemical Abstract Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
N.O.S.	Not Otherwise Specified
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit

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Abbreviations and acronyms:	
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TRGS	Technical Rules for Hazardous Substances
SDS	Safety Data Sheet
VOC	Volatile Organic Compounds
WGK	Water Hazard Class
vPvB	Very Persistent and Very Bioaccumulative

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

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.