

Trade name: Hexanum

Substance number: 155200

Version: 5 / CH

Date revised: 01.07.2025

Replaces Version: 4 / CH

Print date: 01.07.25

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

Hexanum

Item No. 15520000

1.3. Details of the supplier of the safety data sheet**Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification *****2.1. Classification of the substance or mixture****Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Repr. 2	H361fd
STOT SE 3	H336
STOT RE 2	H373
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements**Labelling according to regulation (EC) No 1272/2008****Hazard pictograms****Signal word**

Danger

Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 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 medicinal advice/attention.
 P331 Do NOT induce vomiting.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich; n-hexane

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****Chemical characterization**

Hexanum

Hazardous ingredients *****n-hexane**

CAS No.	110-54-3		
EINECS no.	203-777-6		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Flam. Liq. 2	H225	
	Asp. Tox. 1	H304	
	Skin Irrit. 2	H315	
	Repr. 2	H361f	
	STOT SE 3	H336	
	STOT RE 2	H373	
	Aquatic Chronic 2	H411	

Concentration limits (Regulation (EC) No. 1272/2008)
 STOT RE 2 H373 >= 5 %

Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

EINECS no.	925-292-5		
Registration no.	01-2119474209-33-XXXX		
Concentration	>= 25	< 50	%
Classification (Regulation (EC) No. 1272/2008)			
	Flam. Liq. 2	H225	
	Asp. Tox. 1	H304	
	Skin Irrit. 2	H315	
	STOT SE 3	H336	
	Repr. 2	H361	
	STOT RE 2	H373	
			Nervous system; Route of exposure: inhalative
			Testicles; Route of exposure: inhalative
			Nervous system; Route of

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Aquatic Chronic 2

H411
EUH066

exposure: inhalative

Concentration limits (Regulation (EC) No. 1272/2008)

Asp. Tox. 1		> 5 %
Flam. Liq. 2	H225	> 5 %
Skin Irrit. 2	H315	> 5 %
Aquatic Chronic 2	H411	> 5 %
Repr. 2		> 5 %
STOT RE 2	H373	> 5 %
STOT SE 3		> 5 %

Other information

94/69/EG (21. ATP). Content of benzene in the product is smaller than 0.1%. Annotation P is valid.
Classification and characterization as may cause cancer (R45) is not necessary.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove affected person from danger area. Remove contaminated clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

After inhalation

Ensure supply of fresh air. If necessary, give oxygen. Seek medical advice immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Do not induce vomiting. Summon a doctor immediately. Rinse out mouth and give plenty of water to drink. Administer activated charcoal.

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

Dizziness, Headache, Dizziness, Unconsciousness, CNS depression, dry skin

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Extinguish greater fire with water spray or alcohol-resistant foam. Dry powder

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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In the event of fire the following can be released: Carbon monoxide (CO); Can build mixtures of gas and air which are capable of explosion.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full protective suit.

Other information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers). Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Clean contaminated surfaces, appropriate is: Ensure adequate ventilation. Don't rinse away with water. When picked up, treat material as prescribed under Section 13 "Disposal".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good room ventilation even at ground level (vapours are heavier than air). Handle and open container with care. Avoid formation of aerosols. Transfer and handle only in enclosed systems. Keep limited supplies at workplace.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Keep away from sources of ignition - No smoking. Use explosion-proof equipment/fittings and non-sparking tools. Risk of explosion if the liquid enters the drains.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

explosion proof. Provide solvent-resistant and impermeable floor. Use steel or stainless steel containers.

Hints on storage assembly

Do not store with oxidizing agents.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

Further information on storage conditions

Keep container tightly closed. Keep container tightly closed, cool and dry. Protect from heat. Protect from direct sunlight.

SECTION 8: Exposure controls/personal protection ***

8.1. Control parameters

Exposure limit values ***

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n-hexane

List	SUVA			
Type	MAK			
Value	180	mg/m ³	50	ppm(V)
Short term exposure limit	1440	mg/m ³	400	ppm(V)

Skin resorption / sensibilisation: H; Pregnancy group: S; Remarks: H B R2F SSc; NS, Auge; NIOSH

Derived No/Minimal Effect Levels (DNEL/DMEL)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	13			mg/kg/d

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	93			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	7			mg/kg/d

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Long term			
Route of exposure	inhalative			
Concentration	20			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Long term			
Route of exposure	oral			
Mode of action	Systemic effects			
Concentration	6			mg/kg/d

8.2. Exposure controls**General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Avoid contact with skin and eyes. At work do not eat, drink, smoke or take drugs. Do not inhale gases/vapours/aerosols.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Full mask, filter A

Hand protection

Gloves (solvent-resistant)
Appropriate Material nitrile rubber - NBR

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Material thickness 0.35 mm
 Breakthrough time \geq 8 h
 Gloves (solvent-resistant)
 Appropriate Material Fluoro carbon rubber - FKM
 Material thickness 0.4 mm
 Breakthrough time \geq 8 h
 Not suitable: rubber gloves
 Not suitable
 Appropriate Material butyl
 Not suitable: PVC gloves
 Not suitable: leather gloves
 Not suitable: gloves made of thick material

Eye protection

Safety glasses with side protection shield

Body protection

Personnel should wear protective clothing. Boots

SECTION 9: Physical and chemical properties *****9.1. Information on basic physical and chemical properties**

Physical state liquid
Colour colourless
Odour of hydrocarbons
Odour sweetish

Boiling point or initial boiling point and boiling range

Value	55	to	85	°C
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Flammability

No data available

Upper and lower explosive limits

Lower explosion limit	appr. 1.2	%(V)
Upper explosion limit	appr. 8.3	%(V)

Flash point

Value	< -20	°C
Method	DIN 51755	

Ignition temperature

Value	> 200	°C
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Decomposition temperature

Remarks	No data available
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pH value

Remarks	No data available
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Viscosity**kinematic**

Value	0.4	to	0.7	mm ² /s
Temperature	20	°C		

Vapour pressure ***

Value	19	to	50	kPa
Temperature	25	°C		

Density and/or relative density

Value	0.65	to	0.7	g/cm ³
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Temperature 15 °C
Method DIN 51757

9.2. Other information**Solubility in water**

Remarks Immiscible resp. little miscible.

Oxidising properties

evaluation None known

Solvent content

Value 100 %

Other information

Forms explosive mixture with air are possible.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Vapours can form an explosive mixture with air.

10.4. Conditions to avoid

Heat. Flames. Sparks

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, Flammable gases/vapours

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

Species rat
LD50 > 5000 mg/kg
Method OECD 401

n-hexane

Species rat
LD50 > 5000 mg/kg

Acute dermal toxicity (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

Species rabbit
LD50 > 3350 mg/kg
Method OECD 402

n-hexane

Species rabbit
LD50 > 2800 mg/kg

Acute inhalative toxicity (Components)

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Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

Species	rat		
LC50	>	20	mg/l
Duration of exposure	4	h	
Administration/Form	Vapors		
Method	OECD 403		

Skin corrosion/irritation (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

evaluation	slightly irritant
Method	OECD 404

Serious eye damage/irritation (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

evaluation	non-irritant
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Sensitization (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

evaluation	non-sensitizing
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Mutagenicity (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

evaluation	Based on available data, the classification criteria are not met.
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Reproduction toxicity (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

evaluation	May damage fertility or the unborn child.
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Carcinogenicity (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

evaluation	No negative effects
Source	BM000524 SDS Brenntag 20170616

Specific Target Organ Toxicity (STOT) (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

Repeated exposure evaluation	May cause damage to organs through prolonged or repeated exposure
	Route of exposure inhalative
	Organs: Nervous system

Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

Single exposure evaluation	May cause drowsiness or dizziness.
	Route of exposure inhalative
	Organs: Nervous system

Aspiration hazard (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

Harmful: may cause lung damage if swallowed.
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11.2 Information on other hazards**Endocrine disrupting properties with respect to humans****Hexanum**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Causes a numb feeling.

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SECTION 12: Ecological information *****12.1. Toxicity****General information**

Toxic to aquatic life. Do not allow it to reach soil, ground water, water bodies or sewage system.

12.2. Persistence and degradability**General information**

There is no data available on the product apart from the information given in this subsection.

12.3. Bioaccumulative potential**General information**

There is no data available on the product apart from the information given in this subsection.

12.4. Mobility in soil**General information**

There is no data available on the product apart from the information given in this subsection.

Mobility in soil (Components)**Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich**

Adsorbs on soil.

Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

Slightly mobile in soils

12.5. Results of PBT and vPvB assessment**General information**

There is no data available on the product apart from the information given in this subsection.

Results of PBT and vPvB assessment *****Hexanum**

The product contains no PBT substances

Hexanum

The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment****Hexanum**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information**

There is no data available on the product apart from the information given in this subsection.

General information / ecology

Toxic for aquatic organisms. Do not allow it to reach ground water, water bodies or sewage system.
Hazard for drinking water supplies.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWG waste code

No not dispose with rubbish.

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Disposal in compliance with local and national regulations.

EWC waste code

Should not be released into the sanitary sewer system.







Recovery or recycling, if possible. Otherwise: combustion in incineration plant.

Disposal recommendations for packaging

Unpurified packings can contain mixtures of gas and air which are capable of explosion.

Disposal in compliance with local and national regulations.

SECTION 14: Transport information ***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number	1208	1208	1208
14.2. UN proper shipping name	HEXANES (n-hexane)	HEXANES (n-hexane)	HEXANES (n-hexane)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class

WGK 3

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Hazard statements listed in Chapter 3**

EUH066

Repeated exposure may cause skin dryness or cracking.

H225

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H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquid, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin 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

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.