

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 1 of 14

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

### 1.1. Product identifier

HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

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

#### Use of the substance/mixture

Reagents and laboratory chemicals

Only for laboratory and analysis purposes.

#### Uses advised against

Do not use for private purposes (household).

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

Company name:	AnalytiChem GmbH
	ACD
Street:	Stempelstraße 6
Place:	D-47167 Duisburg
Telephone:	0203/5194-0
E-mail:	info@analytichem.de
Contact person:	Abteilung Produktsicherheit
E-mail:	produktsicherheit@analytichem.de
Internet:	www.analytichem.de
Responsible Department:	Abteilung Produktsicherheit

Telefax: 0203/5194-290

Telephone: 0203/5194-107/117

### 1.4. Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

## Further Information

This product is a mixture. REACH Registration Number see section 3.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 2; H225

Repr. 2; H361f

Skin Irrit. 2; H315

Eye Irrit. 2; H319

STOT SE 3; H336

STOT RE 2; H373

Asp. Tox. 1; H304

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

n-hexane

ethyl acetate

Signal word: Danger

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 2 of 14

## Pictograms:



## Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye 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.

## Precautionary statements

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/hearing protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P403+P235	Store in a well-ventilated place. Keep cool.

**2.3. Other hazards**

No data available

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

## Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
Classification (Regulation (EC) No 1272/2008)				
110-54-3	n-hexane			65 - < 70 %
	203-777-6	601-037-00-0	01-2119480412-44	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2; H225 H361f H315 H336 H373 H304 H411			
141-78-6	ethyl acetate			30 - < 35 %
	205-500-4	607-022-00-5	01-2119475103-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

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

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
Specific Conc. Limits, M-factors and ATE			
110-54-3	203-777-6	n-hexane	65 - < 70 %
inhalation: LC50 = 73860 mg/l (vapours); dermal: LD50 = > 2000 mg/kg STOT RE 2; H373: >= 5 - 100			
141-78-6	205-500-4	ethyl acetate	30 - < 35 %
		dermal: LD50 = > 20000 mg/kg; oral: LD50 = 4934 mg/kg	

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 3 of 14

#### Further Information

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No data available

#### After inhalation

Provide fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Call a physician immediately.

#### After contact with skin

Wash immediately with: Water  
Take off immediately all contaminated clothing and wash it before reuse.  
Call a physician immediately.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.  
Remove contact lenses, if present and easy to do. Continue rinsing.

#### After ingestion

Observe risk of aspiration if vomiting occurs.  
Call a physician immediately.

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

Irritant  
Vapours may cause drowsiness and dizziness.  
Narcotic effects  
Gastrointestinal complaints  
Corneal opacity.

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

No data available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO2)  
Foam  
Extinguishing powder

#### Unsuitable extinguishing media

no restriction

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

Combustible liquids  
Hazardous combustion products  
In case of fire may be liberated: Carbon dioxide (CO2), Carbon monoxide  
Vapours are heavier than air, spread along floors and form explosive mixtures with air.  
Heating causes rise in pressure with risk of bursting.  
Beware of reignition.

### 5.3. Advice for firefighters

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 4 of 14

In case of fire: Wear self-contained breathing apparatus.

In case of fire and/or explosion do not breathe fumes.

Avoid contact with skin, eyes and clothes.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Move undamaged containers from immediate hazard area if it can be done safely.

Use water spray jet to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

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

#### General advice

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

#### For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

Do not breathe dust/fume/gas/mist/vapours/spray.

#### For emergency responders

Precautionary statements For emergency responders : Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

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

#### For containment

Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

#### Other information

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

**HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol**

Revision: 17.04.2025

Product code: 12535

Page 5 of 14

**7.1. Precautions for safe handling****Advice on safe handling**

- Avoid exposure - obtain special instructions before use.
- Read label before use. Handle and open container with care.
- When using do not eat, drink, smoke, sniff. Keep container tightly closed.
- Use personal protection equipment. Use extractor hood (laboratory).
- Provide adequate ventilation. Do not breathe vapour.

**Advice on protection against fire and explosion**

- Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Advice on general occupational hygiene**

- Keep away from food, drink and animal feedingstuffs.
- The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

**Further information on handling**

- Take off immediately all contaminated clothing and wash it before reuse.
- Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. If handled uncovered, arrangements with local exhaust ventilation have to be used.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

- Keep in a cool, well-ventilated place.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Hints on joint storage**

- national regulations

**Further information on storage conditions**

- Keep container tightly closed and dry.
- Keep cool. Protect from sunlight.

**7.3. Specific end use(s)**

- Laboratory chemicals

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
141-78-6	Ethyl acetate	200	734		TWA (8 h)	
		400	1468		STEL (15 min)	
110-54-3	n-Hexane	20	72		TWA (8 h)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
110-54-3	Hexane	2,5-Hexanedion	0.4 mg/L	Urine	End of shift at end of workweek

**HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol**

Revision: 17.04.2025

Product code: 12535

Page 6 of 14

**DNEL/DMEL values**

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
110-54-3	n-hexane			
Worker DNEL, long-term		inhalation	systemic	75 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	11 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	16 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	5,3 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4 mg/kg bw/day
141-78-6	ethyl acetate			
Worker DNEL, long-term		inhalation	systemic	734 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	1468 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	734 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	1468 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	63 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	367 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	734 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	367 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	734 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	37 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4,5 mg/kg bw/day

**PNEC values**

CAS No	Substance		
Environmental compartment		Value	
141-78-6	ethyl acetate		
Freshwater		0,24 mg/l	
Freshwater (intermittent releases)		1,65 mg/l	
Marine water		0,024 mg/l	
Freshwater sediment		1,15 mg/kg	
Marine sediment		0,115 mg/kg	
Secondary poisoning		200 mg/kg	
Micro-organisms in sewage treatment plants (STP)		650 mg/l	
Soil		0,148 mg/kg	

**8.2. Exposure controls****Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

goggles

Face protection umbrella

**Hand protection**

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: vertrieb@kcl.de With

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 7 of 14

specification (test according to EN374):

By long-term hand contact: No data available

By short-term hand contact

Trade name/designation: KCL 897 Butoject®

Suitable material: Butyl caoutchouc (butyl rubber) 0,3 mm

Wearing time with occasional contact (splashes): >30 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet<(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

#### Skin protection

Take off immediately all contaminated clothing and wash it before reuse.

Wear fire resistant or flame retardant clothing.

Wash hands and face before breaks and after work and take a shower if necessary.

Draw up and observe skin protection programme.

#### Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Thermal hazards

No data available

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.

Danger of explosion

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	colourless
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	~69 °C
Flammability:	No data available
Lower explosion limits:	No data available
Upper explosion limits:	No data available
Flash point:	-16 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH-Value:	No data available
Viscosity / kinematic: (at 20 °C)	No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 8 of 14

Water solubility:	No data available
Solubility in other solvents	
No data available	
Dissolution rate:	No data available
Partition coefficient n-octanol/water:	No data available
Dispersion stability:	No data available
Vapour pressure:	No data available
Vapour pressure:	No data available
Density:	0,715 g/cm <sup>3</sup>
Relative density:	No data available
Bulk density:	No data available
Relative vapour density:	No data available
Particle characteristics:	No data available

#### 9.2. Other information

##### **Information with regard to physical hazard classes**

###### **Explosive properties**

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Sustained combustibility: Sustained combustibility

###### **Self-ignition temperature**

Solid: No data available

Gas: No data available

###### **Oxidizing properties**

No data available

##### **Other safety characteristics**

Evaporation rate: No data available

Solvent separation test: No data available

Solvent content: 100%

Solid content: No data available

Sublimation point: No data available

Softening point: No data available

Pour point: No data available

Viscosity / dynamic: No data available  
(at 20 °C)

Flow time: No data available

##### **Further Information**

No data available

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Vapours may form explosive mixtures with air.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Oxidising agent

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 10.5. Incompatible materials

Plastic articles

**HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol**

Revision: 17.04.2025

Product code: 12535

Page 9 of 14

Rubber articles

**10.6. Hazardous decomposition products**

SECTION 5: Firefighting measures

**Further information**

No data available

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Acute toxicity**

Based on available data, the classification criteria are not met.

May cause respiratory irritation.

Mucous membrane irritation in the mouth, throat, esophagus and gastrointestinal tract.

Resorption (dermal)

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
110-54-3	n-hexane					
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1982)	
	inhalation (4 h) vapour	LC50 mg/l	73860	Rat	Industrial Medicine, Vol. 39, No. 5, May	OECD Guideline 403
141-78-6	ethyl acetate					
	oral	LD50 mg/kg	4934	Rabbit	Ind. Med. Vol. 41, No.4, 31 - 33 (1972)	OECD Guideline 401
	dermal	LD50 mg/kg	> 20000	Rabbit	Am Ind Hyg Ass J, 23, 95 (1962)	Similar to one day cuff method of Draize

**Irritation and corrosivity**

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of damaging fertility. (n-hexane)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause drowsiness or dizziness. (n-hexane; ethyl acetate)

Organs affected: central nervous system

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure. (n-hexane)

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 10 of 14

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Information on likely routes of exposure

There are no data available on the mixture itself.

#### Specific effects in experiment on an animal

There are no data available on the mixture itself.

#### Additional information on tests

There are no data available on the mixture itself.

#### Practical experience

There are no data available on the mixture itself.

### 11.2. Information on other hazards

#### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Other information

Avoid exposure - obtain special instructions before use.

#### Further information

Irritant

Vapours may cause drowsiness and dizziness.

Narcotic effects

Gastrointestinal complaints

Corneal opacity.

### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

**HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol**

Revision: 17.04.2025

Product code: 12535

Page 11 of 14

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
110-54-3	n-hexane					
	Acute algae toxicity	ErC50 9,285 mg/l	72 h	Pseudokirchneriella subcapitata	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Acute crustacea toxicity	EC50 21,85 mg/l	48 h	Daphnia magna	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Fish toxicity	NOEC 2,8 mg/l	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC 4,888 mg/l	21 d	Daphnia magna	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
141-78-6	ethyl acetate					
	Acute fish toxicity	LC50 230 mg/l	96 h	Pimephales promelas	Publication (1984)	other: US EPA method E03-05
	Fish toxicity	NOEC < 9,65 mg/l	32 d	Pimephales promelas	<a href="http://www.epa.gov/ecotox">http://www.epa.gov/ecotox</a> (1992)	OECD Guideline 210
	Crustacea toxicity	NOEC 2,4 mg/l	21 d	Daphnia magna	Water Research 23: 501-510. (1989)	other: see principles of method below

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
110-54-3	n-hexane	4
141-78-6	ethyl acetate	0,68

**BCF**

CAS No	Chemical name	BCF	Species	Source
110-54-3	n-hexane	501,187	Pimephales promelas	QSAR in Environmenta
141-78-6	ethyl acetate	30	Leuciscus idus melanotus	Chemosphere 14, 1589

**12.4. Mobility in soil**

There are no data available on the mixture itself.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Do not allow to enter into surface water or drains.

**Further information**

Avoid release to the environment.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 12 of 14

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.  
Send to a physico-chemical treatment facility under observation of official regulations.  
Do not empty into drains.

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.  
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (n-hexane, ethyl acetate)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601 640D
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (n-hexane, ethyl acetate)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601 640D
Limited quantity:	1 L
Excepted quantity:	E2

### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (n-hexane, ethyl acetate)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
EmS:	F-E, S-E

### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (n-hexane, ethyl acetate)
<b>14.3. Transport hazard class(es):</b>	3

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 13 of 14

#### 14.4. Packing group:

Hazard label:	3
Special Provisions:	A3
Limited quantity Passenger:	1 L
Passenger LQ:	Y341
Excepted quantity:	E2
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	Yes
Danger releasing substance:	n-hexane

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Information according to Directive 2012/18/EU (SEVESO III):

E2 Hazardous to the Aquatic Environment

Additional information:

P5c

#### **National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

3 - highly hazardous to water

## SECTION 16: Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 1,8,11,15.

#### **Abbreviations and acronyms**

Flam. Liq. 2: Flammable liquids, hazard category 2

Asp. Tox. 1: Aspiration hazard, hazard category 1

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Irrit. 2: Eye irritation, hazard category 2

Repr. 2: Reproductive toxicity, hazard category 2

STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3

STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HPLC Eluent n-Hexane/Ethyl acetate mixed 75 : 25 volumetrically for determination of diol

Revision: 17.04.2025

Product code: 12535

Page 14 of 14

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Repr. 2; H361f	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method
STOT RE 2; H373	Calculation method
Asp. Tox. 1; H304	Calculation method
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye 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.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

#### Further Information

Provide appropriate information, instructions and training to users

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*