

Page 1/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

SECTION 1	: Identification of the substance/mixture and of the company/undertaking
1.1 Product ide Molecular form Structure form Trade name: <u>n</u> SDS number: CAS Number: 110-54-3	mula: C6 H14 nula: C H3 - (C H2) 4 - C H3 Hexane 95%
 EC number: 203-777-6 Index number: 601-037-00-0 Registration nu 1.2 Relevant id For professional Life cycle stage IS Use at indu 	umber 01-2119480412-44 lentified uses of the substance or mixture and uses advised against al users only es
 1.3 Details of t Manufacturer/ CARLO ERBA Chaussée du V Parc d'Affaires 27106 VAL DE Téléphone: +3. Télécopie: +33 Further inform Q.A / Normativ email: MSDS_ 1.4 Emergency 	RÉAGENTS fexin 5 des Portes - BP616 5 REUIL Cedex 3 (0)2 32 09 20 00 8 (0)2 32 09 20 20 mation obtainable from:
SECTION 2	: Hazards identification
Classification	ion of the substance or mixture according to Regulation (EC) No 1272/2008 502 flame
Flam. Liq. 2	H225 Highly flammable liquid and vapour.
GHS	508 health hazard
Repr. 2 STOT RE 2	H361f Suspected of damaging fertility. H373 May cause damage to the nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways. (Contd. on page 2)



Page 2/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2	<i>Version number 18 (replaces version 17)</i>	Revision: 13.05.2024
Trade name: n-Hexa	ne 95%	
		(Contd. of page 1
AV.		
GHS09	environment	
Aquatic Chronic	2 H411 Toxic to aquatic life with long lasting effects.	
GHS0	7	
Skin Irrit. 2	H315 Causes skin irritation.	
STOT SE 3	H336 May cause drowsiness or dizziness.	
· 2.2 Label elemen	ts ing to Regulation (EC) No 1272/2008	
	classified and labelled according to the CLP regulation.	
· Hazard pictogram		
JUL I		
<u>**</u>		
GHS02 GHS0	07 GHS08 GHS09	
01502 0150	0/ 00508 00509	
• Signal word Dan	ger	
· Hazard-determin	ing components of labelling:	
n-Hexane	ing components of moening.	
• Hazard statemen	ts	
	nmable liquid and vapour.	
H315 Causes ski		
	of damaging fertility.	
	e drowsiness or dizziness. e damage to the nervous system through prolonged or repeated	ernosure Route of ernosure
Inhalation		exposure. Route of exposure
	al if swallowed and enters airways.	
	quatic life with long lasting effects.	
· Precautionary st		
P210	Keep away from heat, hot surfaces, sparks, open flames ar smoking.	nd other ignition sources. No
P241	Use explosion-proof [electrical/ventilating/lighting] equipme	ent.
P280	<i>Wear protective gloves / eye protection / face protection.</i>	
P303+P361+P3	53 IF ON SKIN (or hair): Take off immediately all contamina	tted clothing. Rinse skin with
	water [or shower].	11 0 1 1
P304 + P340	<i>IF INHALED: Remove person to fresh air and keep comforta</i>	
P403+P233	Store in a well-ventilated place. Keep container tightly close	a.
· 2.3 Other hazard	s nd vPvB assessment	
• PBT: Not applied		

(Contd. on page 3)



Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

(Contd. of page 2)

SECTION 3: Composition/information on ingredients

· 3.1 Substances

• CAS No. Description CAS: 110-54-3 n-Hexane

· Identification number(s)

• EC number: 203-777-6

· Index number: 601-037-00-0

• Specific concentration limits STOT RE 2; H373: $C \ge 5 \%$

SECTION 4: First aid measures

• 4.1 Description of first aid measures

• After inhalation: In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly. Wash contaminated clothing before reuse. If skin irritation continues, consult a doctor.

• After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Seek immediate medical advice.

• *After swallowing:* Do not induce vomiting; call for medical help immediately. Call for a doctor immediately.

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

• 4.2 Most important symptoms and effects, both acute and delayed Nausea

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

- *Suitable extinguishing agents:* CO2 or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet.
- 5.2 Special hazards arising from the substance or mixture Carbon monoxide and carbon dioxide
- · 5.3 Advice for firefighters
- Protective equipment: Do not inhale gases in case or fire or combustion.
- · Additional information Keep receptacles cool with water spray.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Keep away any ignition source.

Wear protective equipment. Keep unprotected persons away.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Ensure adequate ventilation

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

(Contd. on page 4)

U



Page 4/18

Safety data sheet

accol	Safety data sheet ding to Regulation (EC) No 1907/2006, Article	31
Printing date 13.05.2024	Version number 18 (replaces version 17)	Revision: 13.05.2024
Trade name: n-Hexane 95%		
Prevent seepage into sewag In case of seepage into the 6.3 Methods and material j Collect the liquid with vac (diatomite, acid binders, un Ensure adequate ventilation Dispose contaminated mate 6.4 Reference to other sect See Section 7 for informatic	ich sewage system or any water course. e system, workpits and cellars. ground inform responsible authorities. for containment and cleaning up: wum in a suitable container and absorb the remain iversal binders, etc). n. rial as waste according to section 13. fons on on safe handling. on on personal protection equipment.	(Contd. of page 3) nder with a porous material
SECTION 7: Handlin		
Prevent formation of aerose Wear suitable respiratory p	ightly closed receptacles. irect sunlight. paustion at the workplace. uct in closed systems or under local exhaust. ols. rotective device when decanting larger quantities with with nitrogen or other inert gases.	hout extractor facilities.
Keep ignition so	urces away - Do not smoke.	
Protect from heat. Protect against electrostation Use explosion-proof appare Keep respiratory protective	utus / fittings and spark-proof tools.	
Storage: Requirements to be met by Store in a cool location. Prevent any seepage into th Use only receptacles specif Information about storage Further information about Keep receptacle tightly sea Store in cool, dry condition	cally permitted for this substance/product. in one common storage facility: Not required. storage conditions: ed.	
SECTION 8: Exdosur	e controls/personal protection	
· 8.1 Control parameters	es that require monitoring at the workplace:	

(Contd. on page 5) EU



Revision: 13.05.2024

Printing date 13.05.2024

Version number 18 (replaces version 17)

Trade name: n-Hexane 95%

DNELs		(Contd. of page
	-54-3 n-Hexane	
Dermal	DNEL (workers-systemic chronic effects) 11 mg/kg
Inhalative	DNEL (workers-systemic chronic effects	
	I information: The lists valid during the n	0
8.2 Expose Appropria Individual General part The usual Keep away Immediate Wash hand Store prote Do not inh Avoid come Respirator Use suitab Use suitab The selecte Hand prote The select	ure controls te engineering controls No further data; I protection measures, such as personal p rotective and hygienic measures: precautionary measures are to be adhere w from foodstuffs, beverages and feed. Hy remove all soiled and contaminated cle ds before breaks and at the end of work. ective clothing separately. tale gases / fumes / aerosols. tale dust / smoke / mist. tact with the eyes and skin. ty protection: ele respiratory protective device only when longer exposure use self-contained respi ed respiratory protection must comply with tection ted protective gloves have to satisfy the EN 374 derived from it.	see section 7. protective equipment d to when handling chemicals. othing n aerosol or mist is formed. tion use respiratory filter device. In case of intensive ratory protective device.
degradatio	on Protective gloves	
Material of	ct contact with the chemical/ the product/ f gloves	the preparation by organisational measures.
and varies Penetratio	from manufacturer to manufacturer. In time of glove material	
observed.	break trough time has to be found out b ermanent contact gloves made of the foll	y the manufacturer of the protective gloves and has to owing materials are suitable:
The penetr Fluorocar	ration time has to be at least 480 minutes bon rubber (Viton) uded thickness of the material: ≥ 0.4 mm	
Nitrile rub		
	ided thickness of the material: ≥ 0.35 mm	
	-	(Contd. on pag



Page 6/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

(Contd. of page 5)

· Eye/face protection



Tightly sealed goggles

· Body protection: Protective work clothing

· Environmental exposure controls

The product must not be released into the environment.

In case of unintended release of the product: See section 6 of the Safety Data Sheet.

· Risk management measures Keep good industrial hygiene.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical p	properties
· Molecular weight	86 g
· Physical state	Fluid
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	-95 °C
· Boiling point or initial boiling point and boiling	
range	69 °C
· Flammability	Highly flammable.
· Lower and upper explosion limit	
· Lower:	1.2 Vol %
· Upper:	7.4 Vol %
Flash point:	-26 °C
Auto-ignition temperature:	240 °C
Decomposition temperature:	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
Dynamic at 20 °C:	0.5 mPas
Solubility	
water at 20 °C:	0.1 g/l
Partition coefficient n-octanol/water (log value)	4
· Vapour pressure at 20 °C:	160 hPa
· Vapour pressure (2) at 50 °C:	540 hPa
· Vapour pressure at 50 °C:	540 hPa
• Density and/or relative density	
· Density at 20 °C:	$0.66 \ g/cm^3$
· Relative density	Not determined.
· Vapour density	Not determined.
* ·	
• 9.2 Other information	
· Appearance: · Form:	Fluid
· Important information on protection of health an	ua di alta di a
environment, and on safety.	Not determined
Ignition temperature:	Not determined.
• Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Organic solvents:	100.0 %
· Solids content:	0.0 %



Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

		(Contd. of page
Change in condition		
Evaporation rate	Not determined.	
Information with regard to physical hazard	classes	
• Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
• Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Highly flammable liquid and vapour.	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit flamm	able	
gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

- 10.1 Reactivity See 10.3
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Carbon monoxide, Carbon dioxide.

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

CAS:	110-54-3	n-Hexane
------	----------	----------

Oral	LD50	16,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,350 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	259.3 mg/L (rat) (OECD 403)

· Skin corrosion/irritation Causes skin irritation.

· Serious eye damage/irritation Irritating effect.

· Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Suspected of damaging fertility.

(Contd. on page 8)

⁻ EU



Version number 18 (replaces version 17) Revision: 13.05.2024 Printing date 13.05.2024 Trade name: n-Hexane 95% (Contd. of page 7) · STOT-single exposure May cause drowsiness or dizziness. · STOT-repeated exposure May cause damage to the nervous system through prolonged or repeated exposure. Route of exposure: Inhalation. · Aspiration hazard May be fatal if swallowed and enters airways. • Subacute to chronic toxicity: May afford troubles to the central nervous system in case of repeated exposure. Cumulative effects in case of repeated exposures. • 11.2 Information on other hazards • Endocrine disrupting properties Substance is not listed. **SECTION 12: Ecological information** · 12.1 Toxicity

• Aquatic toxicity:

CAS: 110-54-3 n-Hexane

EC50/48h 21.85 mg/l (Daphnia)

· 12.2 Persistence and degradability No further relevant information available.

· Method

- Ecological information Not available
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- Remark: Toxic for fish
- Additional ecological information:

· General notes:

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

SECTION 13: Disposal considerations

• 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Reutilise if possible or contact a waste processors for recycling or safe disposal.

• Waste disposal key:

The European Union does not establish uniform rules for the disposal of chemical waste, which are special waste. Their treatment and elimination of the domestic legislation of each country. So, in each case, you should contact the relevant authorities, or those companies legally authorized for elimination of waste.

2014/955/UE: Council Decision of 18 December 2014 amending the list of wastes contained in Decision 2000/532/EC.

Directive 2008/98/EC of the european parliament and of the council of 18 November 2008, in ist latest valid version.



Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

	(Contd. of page
European waste catalogue	
HP3 Flammable	
HP4 Irritant - skin irritation and eg	ye damage
HP5 Specific Target Organ Toxicit	ty (STOT)/Aspiration Toxicity
HP10 Toxic for reproduction	
HP14 Ecotoxic	
same treatment of products. Directive 94/62/EC of the Europea packaging waste. Recommendation: Disposal must be made according to	d are to be disposed of in the same manner as the product.
SECTION 14: Transport info	rmation
• 14.1 UN number or ID number • ADR/RID, IMDG, IATA	UN1208
14.2 UN proper shipping name	
ADR/RID	1208 HEXANES, ENVIRONMENTALLY HAZARDOUS
· IMDG	HEXANES, MARINE POLLUTANT
· IATA	Hexanes
ADR/RID Class Label IMDG	3 (F1) Flammable liquids. 3
Class Label	3 Flammable liquids. 3
	3 Flammable liquids.
· Class	
Class Label	3



Page 10/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

	(Contd. of page
14.4 Packing group ADR/RID, IMDG, IATA	II
14.5 Environmental hazards:	
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR/RID):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	33
EMS Number:	F-E,S-D
Stowage Category	Ε
14.7 Maritime transport in bulk according to I	'MO
instruments	Not applicable.
Transport/Additional information:	
ADR/RID	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	lL
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1208 HEXANES, 3, II, ENVIRONMENTALL HAZARDOUS

SECTION 15: Regulatory information

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

· SARA Section 355 (extremely hazardous substances)

Substance is not listed.

·SARA Section 313 (specific toxic chemical listings)

Substance is listed.

· Prop 65 - Chemicals known to cause cancer

Substance is not listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

· Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

 \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

Substance is not listed.

(Contd. on page 11)

EU



L

Page 11/18

Safety data sheet ding to Regulation (EC) No 1907/2006, Article 31

acc	ording to Regulation (EC) No 1907/2006, Article 31	1
rinting date 13.05.2024	Version number 18 (replaces version 17)	Revision: 13.05.2024
rade name: n-Hexane 95%		
		(Contd. of page 10)
· LIST OF SUBSTANCES	S SUBJECT TO AUTHORISATION (ANNEX XIV)	
Substance is not listed.		
· REGULATION (EC) No	1907/2006 ANNEX XVII Conditions of restriction: 3	
electronic equipment – A	U on the restriction of the use of certain hazardous sub nnex II	ostances in electrical and
Substance is not listed.		
· National regulations:		
• Technical instructions (a	ir):	
Class Share in %		
I 50-100		
· Waterhazard class: Wate	r hazard class 2 (Assessment by list): hazardous for water.	
• Other regulations limita	tions and prohibitive regulations	
660.0 g/l	ions una promotive regulations	
100.00 %		
• Substances of very high a	concern (SVHC) according to REACH, Article 57	
Substance is not listed.		
· 15.2 Chemical safety asso	essment: A Chemical Safety Assessment has been carried o	out.
	and shall not establish a legally valid contractual relations	snip.
· Department issuing SDS.		
 Date of previous version: Version number of previous 		
· Abbreviations and acron		
RCR : Risk Characterisation Ra	atio	
ADR: Accord relatif au transp International Carriage of Dang	port international des marchandises dangereuses par route (Europe gerous Goods by Road)	ean Agreement Concerning the
IMDG: International Maritime IATA: International Air Transpo		
GHS: Globally Harmonised Sys	stem of Classification and Labelling of Chemicals	
	of Existing Commercial Chemical Substances ce (division of the American Chemical Society)	
DNEL: Derived No-Effect Level		
LC50: Lethal concentration, 50 LD50: Lethal dose, 50 percent		
-		
PBT: Persistent, Bioaccumulati) percent '	
<i>PB1: Persistent, Bioaccumulati</i> <i>SVHC: Substances of Very High</i> <i>vPvB: very Persistent and very</i>) percent ive and Toxic h Concern	
SVHC: Substances of Very Higl vPvB: very Persistent and very ATE: Acute toxicity estimate va) percent ive and Toxic h Concern Bioaccumulative lues	
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri) percent ive and Toxic h Concern Bioaccumulative lues ls – Category 2 itation – Category 2	
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity –) percent ive and Toxic h Concern Bioaccumulative lues ls – Category 2 itation – Category 2 - Category 2	
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity – STOT SE 3: Specific target orgo STOT RE 2: Specific target orgo) percent ive and Toxic h Concern Bioaccumulative lues ls - Category 2 itation - Category 2 - Category 2 an toxicity (single exposure) - Category 3 an toxicity (repeated exposure) - Category 2	
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity – STOT SE 3: Specific target orga STOT RE 2: Specific target orga Asp. Tox. 1: Aspiration hazard) percent ive and Toxic h Concern Bioaccumulative lues ls - Category 2 itation - Category 2 - Category 2 an toxicity (single exposure) - Category 3 an toxicity (repeated exposure) - Category 2	
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity – STOT SE 3: Specific target orga STOT RE 2: Specific target orga Asp. Tox. 1: Aspiration hazard Aquatic Chronic 2: Hazardous	Dercent vive and Toxic h Concern Bioaccumulative lues ls - Category 2 itation - Category 2 - Category 2 an toxicity (single exposure) - Category 3 an toxicity (repeated exposure) - Category 2 - Category 1 to the aquatic environment - long-term aquatic hazard - Category 2	
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity – STOT SE 3: Specific target orga STOT RE 2: Specific target orga Asp. Tox. 1: Aspiration hazard Aquatic Chronic 2: Hazardous Sources Regulation (EC) No 190	Dercent we and Toxic h Concern Bioaccumulative lues ls - Category 2 itation - Category 2 - Category 2 an toxicity (single exposure) - Category 3 an toxicity (repeated exposure) - Category 2 - Category 1 to the aquatic environment - long-term aquatic hazard - Category 2 07/2006 of the European Parliament and of the Counc	il of 18 December 2006,
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va. Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity – STOT SE 3: Specific target orga STOT RE 2: Specific target orga Asp. Tox. 1: Aspiration hazard Aquatic Chronic 2: Hazardous Sources Regulation (EC) No 190 REACH, in the latest value	 percent percent we and Toxic h Concern Bioaccumulative lues ls - Category 2 itation - Category 2 - Category 2 an toxicity (single exposure) - Category 3 an toxicity (repeated exposure) - Category 2 - Category 1 to the aquatic environment - long-term aquatic hazard - Category 2 07/2006 of the European Parliament and of the Counc d version. 	-
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity – STOT SE 3: Specific target orgo STOT RE 2: Specific target orgo Asp. Tox. 1: Aspiration hazard Aquatic Chronic 2: Hazardous Sources Regulation (EC) No 190 REACH, in the latest value Regulation (EC) N° 1272, the latest valid version.	 percent percent we and Toxic h Concern Bioaccumulative lues ls - Category 2 tation - Category 2 - Category 2 an toxicity (single exposure) - Category 3 an toxicity (repeated exposure) - Category 2 - Category 1 to the aquatic environment - long-term aquatic hazard - Category 2 07/2006 of the European Parliament and of the Counced version. /2008 of the European Parliament and of the Council of 10 	-
SVHC: Substances of Very High vPvB: very Persistent and very ATE: Acute toxicity estimate va Flam. Liq. 2: Flammable liquid Skin Irrit. 2: Skin corrosion/irri Repr. 2: Reproductive toxicity – STOT SE 3: Specific target orgo Asp. Tox. 1: Aspiration hazard Aquatic Chronic 2: Hazardous Sources Regulation (EC) No 190 REACH, in the latest valia Regulation (EC) N° 1272/	 percent percent we and Toxic h Concern Bioaccumulative lues ls - Category 2 tation - Category 2 - Category 2 an toxicity (single exposure) - Category 3 an toxicity (repeated exposure) - Category 2 - Category 1 to the aquatic environment - long-term aquatic hazard - Category 2 07/2006 of the European Parliament and of the Counced version. /2008 of the European Parliament and of the Council of 10 	-



Page 12/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

ADR/RID, IMDG, IATA

(Contd. of page 11)

PubChem : an open chemistry database at the National Institutes of Health (NIH) ECHA : European CHemicals Agency GESTIS : Information system on hazardous substances of the German Social Accident Insurance

• * Data compared to the previous version altered.

(Contd. on page 13)

EU



Page 13/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

(Contd. of page 12)

Annex: Exposur	e scenario 1	
Short title of the exp	osure scenario Substance manufacturing	
Sector of Use Indust		
Process category		
	roduction or refinery in closed process without likelihood of exposure	or processes with
equivalent containm		-
	production or refinery in closed continuous process with occasional co	ntrolled exposure
or processes with eq	uvalent containment conditions	-
PROC3 Manufacti	re or formulation in the chemical industry in closed batch processes	s with occasional
controlled exposure	or processes with equivalent containment condition	
	roduction where opportunity for exposure arises	
	f substance or mixture (charging and discharging) at non-dedicated fac	
	f substance or mixture (charging and discharging) at dedicated facilitie	25
PROC15 Use as lat		
Environmental relea		
ERC1 Manufacture		
ERC2 Formulation		
	tivities / processes covered in the Exposure Scenario	
	nnex to the Safety Data Sheet.	
Conditions of use		
According to direction		
	on according to section 1.	
	ncy 8hrs (full working shift).	
Worker 8hrs (full wo	rking snijt).	
Physical parameters	aical chamical managering in the Free sure Commission in the 1	muon outing of 1
	sical - chemical properties in the Exposure Scenario is based on the	properties of the
preparation.		
Physical state Fluid	aubotanes in the mixture Pau material	
	substance in the mixture Raw material.	
	ne or activity According to directions for use.	ale
	nditions Observe the general safety regulations when handling chemica	<i>us</i> .
Use only on hard gro	nditions affecting environmental exposure	
	the Safety Data Sheet (Accidental release measures).	
	nditions affecting worker exposure	
Avoid contact with th		
	e sun. neasures against static discharge.	
	ces of ignition - No smoking.	
Risk management m		
Worker protection	cusa, cs	
Organisational protection	ective measures	
Keep good industria		
Deploy only trained		
	are executed by specialists or authorised personnel only.	
	ion. This can be achieved by using a local exhaustion or general exhau	st system. If these
	icient to keep the solvent vapour concentration below the workplace	
adequate respiratory		
Provide sufficient wa		
	o skin diseases or other hypersensitivity reactions of the skin, should	ld not handle the
product.		
	t consist of textiles that exhibit dangerous melting behaviour in case of	fire.
Technical protective		,
	oof electrical equipment.	
1 I	v 1 1	

(Contd. on page 14) EU



Page 14/18

Safety data sheet ing to Regulation (EC) No 1907/2006, Article 31

according to Regulation (EC) No 1907/2006, Article 31 Version number 18 (replaces version 17) Revision: 13.05.2024 Printing date 13.05.2024 Trade name: n-Hexane 95% (Contd. of page 13) Use product only in enclosed systems. Ensure that suitable extractors are available on processing machines Ensure good ventilation/exhaustion at the workplace. · Personal protective measures Do not inhale gases / fumes / aerosols. Avoid contact with the skin. The selected protective gloves have to satisfy the specifications of REGULATION (EU) 2016/425 and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Protective gloves Rubber gloves Solvent resistant protective clothing Tightly sealed goggles The usual precautionary measures are to be adhered to when handling chemicals. Detailed measures on hand protection according to Safety Data Sheet, section 8. *Use suitable respiratory protective device only when aerosol or mist is formed.* Filter A/P2 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. The selected respiratory protection must comply with standard EN 136/140/143/145/149. · Environmental protection measures • *Water* Do not allow to reach sewage system. • Soil Prevent contamination of soil. • Notes In case of unintended release of the product: See section 6 of the Safety Data Sheet. · Disposal measures Disposal must be made according to official regulations. Ensure that waste is collected and contained. · Disposal procedures Must not be disposed together with household garbage. Do not allow product to reach sewage system. · Waste type Partially emptied and uncleaned packaging · Exposure estimation · Worker (inhalation) *The exposure estimation was carried out in accordance with ECETOC TRA.* The calculated value is smaller than the DNEL. Guidance for downstream users Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8. EU (Contd. on page 15)



Page 15/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

(Contd. of page 14)

Annex: Exposure scenario 2	
Short title of the exposure scenario Formulation or re-packing	
Sector of Use Industrial use.	
Process category	
PROC1 Chemical production or refinery in closed process without likelihood of exposu	re or processes wit
equivalent containment conditions.	
PROC2 Chemical production or refinery in closed continuous process with occasional	controlled exposur
or processes with equivalent containment conditions	
PROC3 Manufacture or formulation in the chemical industry in closed batch proces.	ses with occasion
controlled exposure or processes with equivalent containment condition	
PROC4 Chemical production where opportunity for exposure arises	
PROC5 Mixing or blending in batch processes	facilitica
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated j	
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facili PROC9 Transfer of substance or mixture into small containers (dedicated filling line, inc	
PROC14 Tabletting, compression, extrusion, pelletisation, granulation	iuuing weigning)
PROC15 Use as laboratory reagent	
Environmental release category ERC2 Formulation into mixture	
Description of the activities / processes covered in the Exposure Scenario	
See section 1 of the annex to the Safety Data Sheet.	
Conditions of use Customary application according to section 1.	
Duration and frequency 8hrs (full working shift).	
Worker 8hrs (full working shift).	
Physical parameters	
The data on the physical - chemical properties in the Exposure Scenario is based on the	he properties of the
preparation.	
Physical state Fluid	
Concentration of the substance in the mixture Raw material.	
Other operational conditions Observe the general safety regulations when handling chem	
Other operational conditions affecting environmental exposure Use only on hard ground	<i>l</i> .
Other operational conditions affecting worker exposure	
Avoid contact with the skin.	
Take precautionary measures against static discharge.	
Keep away from sources of ignition - No smoking.	
Risk management measures Worker protection	
worker protection Organisational protective measures	
Keep good industrial hygiene.	
Deploy only trained chemical workers.	
Ensure that activities are executed by specialists or authorised personnel only.	
Ensure that derivities are executed by specialists of dumonsed personnet only. Ensure good ventilation. This can be achieved by using a local exhaustion or general exh	aust system If the
measures are insufficient to keep the solvent vapour concentration below the workp	
adequate respiratory protective device.	innin, would
Persons, who tend to skin diseases or other hypersensitivity reactions of the skin, sho	ould not handle t
product.	
Provide sufficient washing facilities.	
Work clothes must not consist of textiles that exhibit dangerous melting behaviour in case	of fire.
Technical protective measures	JJ
Use product only in enclosed systems.	
Ensure good ventilation/exhaustion at the workplace.	
Provide explosion-proof electrical equipment.	
	·~ •

(Contd. on page 16) EU



Page 16/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Version number 18 (replaces version 17) Revision: 13.05.2024 Printing date 13.05.2024 Trade name: n-Hexane 95% (Contd. of page 15) · Personal protective measures Avoid contact with the skin. The selected protective gloves have to satisfy the specifications of REGULATION (EU) 2016/425 and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Protective gloves Rubber gloves Avoid direct contact with the chemical/ the product/ the preparation by organisational measures. Tightly sealed goggles The usual precautionary measures are to be adhered to when handling chemicals. Detailed measures on hand protection according to Safety Data Sheet, section 8. Use suitable respiratory protective device only when aerosol or mist is formed. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. The selected respiratory protection must comply with standard EN 136/140/143/145/149. Protective work clothing · Environmental protection measures • *Water* Do not allow to reach sewage system. • Soil Prevent contamination of soil. • Notes In case of unintended release of the product: See section 6 of the Safety Data Sheet. • **Disposal measures** Ensure that waste is collected and contained. · Disposal procedures Must not be disposed together with household garbage. Do not allow product to reach sewage system. · Waste type Partially emptied and uncleaned packaging • Exposure estimation · Worker (inhalation) *The exposure estimation was carried out in accordance with ECETOC TRA.* The calculated value is smaller than the DNEL. · Guidance for downstream users Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8. EU

(Contd. on page 17)



Page 17/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024

Version number 18 (replaces version 17)

Revision: 13.05.2024

Trade name: n-Hexane 95%

(Contd. of page 16)

Annex: Exposure scenario 3

- · Short title of the exposure scenario Chemicals products for laboratory
- · Sector of Use Industrial use.
- **Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.
- Conditions of use Customary application according to section 1.
- · Duration and frequency 5 workdays/week.
- · Physical parameters

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

- · Physical state Fluid
- · Concentration of the substance in the mixture Raw material.
- · Other operational conditions Observe the general safety regulations when handling chemicals.
- Other operational conditions affecting environmental exposure Use only on hard ground.
- · Other operational conditions affecting worker exposure
- Ensure adequate ventilation, especially in closed rooms.
- Avoid contact with the skin.

Take precautionary measures against static discharge.

- Keep away from sources of ignition No smoking.
- · Risk management measures
- Worker protection

• Organisational protective measures

- Keep good industrial hygiene.
- Deploy only trained chemical workers.
- Ensure that activities are executed by specialists or authorised personnel only.

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

The appropriate type of chemical protective glove has to be selected specifically, depending on the concentration and quantity of hazardous substances in the workplace.

Persons, who tend to skin diseases or other hypersensitivity reactions of the skin, should not handle the product.

Provide sufficient washing facilities.

Work clothes must not consist of textiles that exhibit dangerous melting behaviour in case of fire.

- Technical protective measures
- Ensure good ventilation/exhaustion at the workplace.
- Use product only in enclosed systems.

Provide explosion-proof electrical equipment.

- · Personal protective measures
- Avoid contact with the skin.

The selected protective gloves have to satisfy the specifications of REGULATION (EU) 2016/425 and the standard EN 374 derived from it.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Protective gloves
- Rubber gloves

Avoid direct contact with the chemical/ the product/ the preparation by organisational measures. Tightly sealed goggles

The usual precautionary measures are to be adhered to when handling chemicals.

Detailed measures on hand protection according to Safety Data Sheet, section 8.

Use suitable respiratory protective device only when aerosol or mist is formed.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

The selected respiratory protection must comply with standard EN 136/140/143/145/149.



Page 18/18

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024 Version number 18 (replaces version 17) Revision: 13.05.2024 Trade name: n-Hexane 95% (Contd. of page 17) Protective work clothing · Environmental protection measures Avoid release to the environment. Obtain special instructions / refer to Safety Data Sheet. • Water Do not allow to reach sewage system. · Soil Prevent contamination of soil. · Notes In case of unintended release of the product: See section 6 of the Safety Data Sheet. · Disposal measures Disposal must be made according to official regulations. Ensure that waste is collected and contained. · Disposal procedures Must not be disposed together with household garbage. Do not allow product to reach sewage system. · Waste type Partially emptied and uncleaned packaging · Exposure estimation · Worker (inhalation) The exposure estimation was carried out in accordance with ECETOC TRA. The calculated value is smaller than the DNEL. · Guidance for downstream users Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8. EU