

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

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

Trade name

einza Nitroverdünnung**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**Coatings and paint, filling agent, levelling compounds, thinners
Solvent**Uses advised against**

No data available.

1.3 Details of the supplier of the safety data sheet**Address**einza Farben GmbH & Co KG
Junkersstraße 13
30179 Hannover

Telephone no. +49 (0)511 67490-0

Fax no. +49 (0)511 67490-20

e-mail info@einza.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

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

Aquatic Chronic 3; H412

Asp. Tox. 1; H304

Eye Irrit. 2; H319

Flam. Liq. 2; H225

Skin Irrit. 2; H315

STOT SE 3; H336

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02



GHS07



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

ethyl-acetate

acetone

Reaction mass of xylene and ethylbenzene

Hazard statement(s)

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.

H412

Harmful to aquatic life with long lasting effects.

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Product no.: 0100242

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Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Precautionary statement(s)

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P405	Store locked up.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

The product does not contain any components > 0.1% that meet the criteria for PBT and vPvB according to Regulation (EC) No. 1907/2006, Annex XIII, or that have been included in the list compiled in accordance with Article 59(1). This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	ethyl-acetate		
	141-78-6 205-500-4 607-022-00-5 01-2119475103-46	EUH066 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>= 25.00 - < 50.00 wt%
2	acetone		
	67-64-1 200-662-2 606-001-00-8 01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 25.00 - < 50.00 wt%
3	n-butyl acetate		
	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	>= 10.00 - < 25.00 wt%
4	ethanol		
	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 5.00 - < 10.00 wt%
5	Reaction mass of xylene and ethylbenzene		
	- 905-588-0 - 01-2119488216-32	Acute Tox. 4; H312 Acute Tox. 4; H332 Asp. Tox. 1; H304 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT RE 2; H373 STOT SE 3; H335 Aquatic Chronic 3; H412	>= 5.00 - < 10.00 wt%
6	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics		
	- 927-510-4 - 01-2119475515-33	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336	< 5.00 wt%
7	propan-2-ol		
	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	< 5.00 wt%
8	Hydrocarbons, C6, isoalkanes, <5% n-hexane		pls. refer to footnote (2)

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

	64742-49-0 931-254-9 649-328-00-1 01-2119484651-34	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	< 5.00	wt%
9	butan-1-ol 71-36-3 200-751-6 603-004-00-6 01-2119484630-38	Acute Tox. 4; H302 Eye Dam. 1; H318 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H335 STOT SE 3; H336	< 5.00	wt%
10	toluene 108-88-3 203-625-9 601-021-00-3 01-2119471310-51	Asp. Tox. 1; H304 Aquatic Chronic 3; H412 Flam. Liq. 2; H225 Repr. 2; H361d Skin Irrit. 2; H315 STOT RE 2; H373 STOT SE 3; H336	pls. refer to footnote (2) < 5.00	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
4	-	Eye Irrit. 2; H319: C $\geq$ 50%	-	-
8	P	-	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

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

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Comply with legal health and safety regulations; Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

Requirements for storage rooms and vessels

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
	2017/164/EU		
	Ethyl acetate		
	WEL short-term (15 min reference period)	1468	mg/m ³ 400 ppm
	WEL long-term (8-hr TWA reference period)	734	mg/m ³ 200 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Ethyl acetate		
	WEL short-term (15 min reference period)		400 ppm
	WEL long-term (8-hr TWA reference period)		200 ppm

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Current version: 7.0.0, Revision: 18.06.2026

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2	acetone	67-64-1	200-662-2
	2000/39/EC		
	Acetone		
	WEL long-term (8-hr TWA reference period)	1210 mg/m ³	500 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Acetone		
	WEL short-term (15 min reference period)	3620 mg/m ³	1500 ppm
	WEL long-term (8-hr TWA reference period)	1210 mg/m ³	500 ppm
3	n-butyl acetate	123-86-4	204-658-1
	List of approved workplace exposure limits (WELs) / EH40		
	Butyl acetate		
	WEL short-term (15 min reference period)	966 mg/m ³	200 ppm
	WEL long-term (8-hr TWA reference period)	724 mg/m ³	150 ppm
	EU 2019/1831		
	n-Butyl acetate		
	WEL short-term (15 min reference period)	723 mg/m ³	150 ppm
	WEL long-term (8-hr TWA reference period)	241 mg/m ³	50 ppm
4	ethanol	64-17-5	200-578-6
	List of approved workplace exposure limits (WELs) / EH40		
	Ethanol		
	WEL long-term (8-hr TWA reference period)	1920 mg/m ³	1000 ppm
5	propan-2-ol	67-63-0	200-661-7
	List of approved workplace exposure limits (WELs) / EH40		
	Propan-2-ol		
	WEL short-term (15 min reference period)	1250 mg/m ³	500 ppm
	WEL long-term (8-hr TWA reference period)	999 mg/m ³	400 ppm
6	butan-1-ol	71-36-3	200-751-6
	List of approved workplace exposure limits (WELs) / EH40		
	Butan-1-ol		
	WEL short-term (15 min reference period)	154 mg/m ³	50 ppm
	Comments	Sk	
7	toluene	108-88-3	203-625-9
	2006/15/EC		
	Toluene		
	WEL short-term (15 min reference period)	384 mg/m ³	100 ppm
	WEL long-term (8-hr TWA reference period)	192 mg/m ³	50 ppm
	Skin resorption / sensibilisation	Skin	
	List of approved workplace exposure limits (WELs) / EH40		
	Toluene		
	WEL short-term (15 min reference period)	384 mg/m ³	100 ppm
	WEL long-term (8-hr TWA reference period)	191 mg/m ³	50 ppm
	Comments	Sk	

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name	Route of exposure	Exposure time	Effect	CAS / EC no	Value
1	ethyl-acetate				141-78-6 205-500-4	
	dermal	Long term (chronic)	systemic		63	mg/kg/day
	inhalative	Long term (chronic)	systemic		734	mg/m ³
	inhalative	Short term (acut)	systemic		1468	mg/m ³
	inhalative	Long term (chronic)	local		734	mg/m ³
	inhalative	Short term (acut)	local		1468	mg/m ³
2	acetone				67-64-1 200-662-2	
	dermal	Long term (chronic)	systemic		186	mg/kg/day
	inhalative	Short term (acut)	local		2420	mg/m ³
	inhalative	Long term (chronic)	systemic		1210	mg/m ³
3	n-butyl acetate				123-86-4 204-658-1	
	dermal	Long term (chronic)	systemic		11	mg/kg/day
	dermal	Short term (acut)	systemic		11	mg/kg/day
	inhalative	Long term (chronic)	systemic		300	mg/m ³
	inhalative	Short term (acut)	systemic		600	mg/m ³
	inhalative	Long term (chronic)	local		300	mg/m ³
	inhalative	Short term (acut)	local		600	mg/m ³

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Current version: 7.0.0, Revision: 18.06.2026

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4	ethanol			64-17-5 200-578-6
	dermal	Long term (chronic)	systemic	8238 mg/kg/day
	inhalative	Long term (chronic)	systemic	380 mg/m ³
5	Reaction mass of xylene and ethylbenzene			- 905-588-0
	dermal	Long term (chronic)	systemic	212.00 mg/kg/day
	inhalative	Short term (acute)	systemic	442.00 mg/m ³
	inhalative	Short term (acute)	local	442.00 mg/m ³
	inhalative	Long term (chronic)	systemic	221.00 mg/m ³
	inhalative	Long term (chronic)	local	221.00 mg/m ³
6	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			- 927-510-4
	dermal	Long term (chronic)	systemic	300 mg/kg/day
	inhalative	Long term (chronic)	systemic	2085 mg/m ³
7	propan-2-ol			67-63-0 200-661-7
	dermal	Long term (chronic)	systemic	888 mg/kg/day
	inhalative	Long term (chronic)	systemic	500 mg/m ³
8	Hydrocarbons, C6, isoalkanes, <5% n-hexane			64742-49-0 931-254-9
	dermal	Long term (chronic)	systemic	13964 mg/kg/day
	inhalative	Long term (chronic)	systemic	5306 mg/m ³
9	butan-1-ol			71-36-3 200-751-6
	inhalative	Long term (chronic)	local	310 mg/m ³
10	toluene			108-88-3 203-625-9
	dermal	Long term (chronic)	systemic	384.00 mg/kg/day
	inhalative	Long term (chronic)	systemic	192.00 mg/m ³
	inhalative	Short term (acute)	systemic	384.00 mg/m ³
	inhalative	Long term (chronic)	local	192.00 mg/m ³
	inhalative	Short term (acute)	local	384.00 mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	ethyl-acetate			141-78-6 205-500-4
	oral	Long term (chronic)	systemic	4.5 mg/kg/day
	dermal	Long term (chronic)	systemic	37 mg/kg/day
	inhalative	Long term (chronic)	systemic	367 mg/m ³
	inhalative	Short term (acute)	systemic	734 mg/m ³
	inhalative	Long term (chronic)	local	367 mg/m ³
	inhalative	Short term (acute)	local	734 mg/m ³
2	acetone			67-64-1 200-662-2
	oral	Long term (chronic)	systemic	62 mg/kg/day
	dermal	Long term (chronic)	systemic	62 mg/kg/day
	inhalative	Long term (chronic)	systemic	200 mg/m ³
3	n-butyl acetate			123-86-4 204-658-1
	oral	Long term (chronic)	systemic	2 mg/kg/day
	oral	Short term (acute)	systemic	2 mg/kg/day
	dermal	Long term (chronic)	systemic	6 mg/kg/day
	dermal	Short term (acute)	systemic	6 mg/kg/day
	inhalative	Long term (chronic)	systemic	35.7 mg/m ³
	inhalative	Short term (acute)	systemic	300 mg/m ³
	inhalative	Long term (chronic)	local	35.7 mg/m ³
	inhalative	Short term (acute)	local	300 mg/m ³
4	ethanol			64-17-5 200-578-6
	inhalative	Long term (chronic)	systemic	114 mg/m ³
5	Reaction mass of xylene and ethylbenzene			- 905-588-0
	oral	Long term (chronic)	systemic	5 mg/kg/day
	dermal	Long term (chronic)	systemic	125.00 mg/kg/day
	inhalative	Short term (acute)	systemic	260.00 mg/m ³
	inhalative	Long term (chronic)	systemic	65.30 mg/m ³

EU safety data sheet



Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

	inhalative	Short term (acute)	local	260.00	mg/m ³
	inhalative	Long term (chronic)	local	65.30	mg/m ³
6	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			-	
				927-510-4	
	oral	Long term (chronic)	systemic	149	mg/kg/day
	dermal	Long term (chronic)	systemic	149	mg/kg/day
	inhalative	Long term (chronic)	systemic	447	mg/m ³
7	propan-2-ol			67-63-0	
				200-661-7	
	oral	Long term (chronic)	systemic	26	mg/kg/day
	dermal	Long term (chronic)	systemic	319	mg/kg/day
	inhalative	Long term (chronic)	systemic	89	mg/m ³
8	Hydrocarbons, C6, isoalkanes, <5% n-hexane			64742-49-0	
				931-254-9	
	oral	Long term (chronic)	systemic	1301	mg/kg/day
	dermal	Long term (chronic)	systemic	1377	mg/kg/day
	inhalative	Long term (chronic)	systemic	1131	mg/m ³
9	butan-1-ol			71-36-3	
				200-751-6	
	oral	Long term (chronic)	systemic	1.562	mg/kg/day
	dermal	Long term (chronic)	systemic	3.125	mg/kg/day
	inhalative	Long term (chronic)	systemic	55.357	mg/m ³
	inhalative	Long term (chronic)	local	155	mg/m ³
10	toluene			108-88-3	
				203-625-9	
	oral	Long term (chronic)	systemic	8.13	mg/kg/day
	dermal	Long term (chronic)	systemic	226.00	mg/kg/day
	inhalative	Long term (chronic)	systemic	56.50	mg/m ³
	inhalative	Short term (acute)	systemic	226.00	mg/m ³
	inhalative	Long term (chronic)	local	56.50	mg/m ³
	inhalative	Short term (acute)	local	226.00	mg/m ³

PNEC values

No		Substance name	CAS / EC no	
		ecological compartment	Type	Value
1	ethyl-acetate		141-78-6 205-500-4	
	water	fresh water	0.24	mg/L
	water	marine water	0.024	mg/L
	water	fresh water sediment	1.15	mg/kg dry weight
	water	marine water sediment	0.115	mg/kg dry weight
	soil	-	0.148	mg/kg dry weight
	sewage treatment plant	-	650	mg/L
	secondary poisoning	-	0.2	g/kg
	with reference to: food			
2	acetone		67-64-1 200-662-2	
	water	fresh water	10.6	mg/L
	water	marine water	1.06	mg/L
	water	fresh water sediment	30.4	mg/kg
	water	marine water sediment	3.04	mg/kg
	soil	-	29.5	mg/kg
	sewage treatment plant	-	100	mg/L
3	n-butyl acetate		123-86-4 204-658-1	
	water	fresh water	0.18	mg/L
	water	marine water	0.018	mg/L
	water	fresh water sediment	0.981	mg/kg dry weight
	water	marine water sediment	0.098	mg/kg dry weight
	soil	-	0.09	mg/kg
	sewage treatment plant	-	35.6	mg/L
4	ethanol		64-17-5 200-578-6	
	water	fresh water	0.96	mg/L
	water	marine water	0.79	mg/L
	water	fresh water sediment	3.6	mg/kg dry weight
	water	marine water sediment	2.9	mg/L
	soil	-	0.63	mg/kg dry weight
	sewage treatment plant	-	580	mg/L

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

	secondary poisoning	-	0.38	g/kg
	with reference to: food			
5	Reaction mass of xylene and ethylbenzene		-	
			905-588-0	
	water	fresh water	0.1	mg/L
	water	marine water	0.01	mg/L
	water	fresh water sediment	13.7	mg/kg dry weight
	water	marine water sediment	1.37	mg/kg dry weight
	soil	-	2.68	mg/kg dry weight
	sewage treatment plant	-	9.6	mg/L
	secondary poisoning	-	20	mg/kg food
6	propan-2-ol		67-63-0	
			200-661-7	
	soil	-	28	mg/kg
	sewage treatment plant	-	2251	mg/L
	secondary poisoning	-	160	mg/kg
	with reference to: food			
7	butan-1-ol		71-36-3	
			200-751-6	
	water	fresh water	0.082	mg/L
	water	marine water	0.008	mg/L
	water	Aqua intermittent	2.25	mg/L
	water	fresh water sediment	0.324	mg/kg dry weight
	water	marine water sediment	0.032	mg/kg dry weight
	soil	-	0.017	mg/kg dry weight
	sewage treatment plant	-	2476	mg/L
8	toluene		108-88-3	
			203-625-9	
	water	fresh water	0.68	mg/L
	water	marine water	0.68	mg/L
	water	fresh water sediment	16.39	mg/kg
	with reference to: dry weight			
	water	marine water sediment	16.39	mg/kg
	with reference to: dry weight			
	soil	-	2.89	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	13.61	mg/L

8.2 Exposure controls

Appropriate engineering controls

Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

Eye / face protection

Wear safety goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material

Barrier (PE/PA/PE)

Material thickness

0.07

mm

Breakthrough time

>=

480

min

Other

protective overalls; Antistatic shoes

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form			
liquid			
Colour			
colourless			
Odour			
characteristic			
pH value			
reason for missing pH		substance/mixture is non-soluble (in water)	
Boiling point / boiling range			
Value	56	- 145	°C
Melting point/freezing point			
not determined			
Decomposition temperature			
No data available			
Flash point			
Value	appr.	-15	°C
Ignition temperature			
No data available			
Auto-ignition temperature			
Value		240	°C
Oxidising properties			
Not applicable			
Flammability			
No data available			
Lower explosion limit			
Value		0.7	% vol
Upper explosion limit			
Value		19.2	% vol
Vapour pressure			
Value	>	1100	hPa
Reference temperature		50	°C
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	appr.	0.847	g/cm³
Reference temperature		20	°C
Solubility in water			
Comments	miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
log Pow		0.68	
Reference temperature		25	°C
with reference to		pH 7	
Method		EPA OPPTS 830.7560	
Source		ECHA	
2	acetone	67-64-1	200-662-2
log Pow		-0.23	
Method		QSAR	
Source		ECHA	

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

3	n-butyl acetate	123-86-4	204-658-1
log Pow		2.3	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		
4	ethanol	64-17-5	200-578-6
log Pow		-0.35	
Reference temperature		24	°C
with reference to	pH 7,4		
Method	OECD 107		
Source	ECHA		
5	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source	ECHA		
6	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
log Pow		3.6	
Reference temperature		20	°C
with reference to	pH 7		
Source	ECHA		
7	toluene	108-88-3	203-625-9
log Pow		2.73	
Reference temperature		20	°C
with reference to	pH 7		
Source	ECHA		
Kinematic viscosity			
Value	<	20.5	mm ² /s
Reference temperature		40	°C
Type	kinematic		
Solvent separation test			
Value	<	3	%
Reference temperature		20	°C
Particle characteristics			
No data available			

9.2 Other information**Other information**

No data available.

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

Stable under recommended storage and handling conditions (See section 7).

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (result of the ATE calculation for the mixture)****Product Name**

einza Nitroverdünnung

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).
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Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
LD50	>	5600	mg/kg bodyweight
Species	rat		
Source	ECHA		
2	acetone	67-64-1	200-662-2
LD50		5800	mg/kg bodyweight
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	n-butyl acetate	123-86-4	204-658-1
LD50		10760	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
4	ethanol	64-17-5	200-578-6
LD50		10470	mg/kg bodyweight
Species	rat		
with reference to	95% ethanol in water		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
5	propan-2-ol	67-63-0	200-661-7
LD50		5840	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
6	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LD50	>	16750	mg/kg bodyweight
Species	rat		
Source	ECHA		
7	toluene	108-88-3	203-625-9
LD50		5580	mg/kg bodyweight
Species	rat		
Method	EU Method B.1		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Acute dermal toxicity (result of the ATE calculation for the mixture)			
Product Name			
einza Nitroverdünnung			
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
LD50	>	20000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
2	n-butyl acetate	123-86-4	204-658-1
LD50	>	14112	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
3	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LD50	>	3350	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
4	butan-1-ol	71-36-3	200-751-6

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

LD50	appr.	3430	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
5	toluene	108-88-3	203-625-9
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Acute inhalational toxicity (result of the ATE calculation for the mixture)**Product Name****einza Nitroverdünnung****Comments**

The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LC50		124.7	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
LC50	>	23.3	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
3	propan-2-ol	67-63-0	200-661-7
LC50	>	10000	ppmV
Duration of exposure		6	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LC50		73860	ppmV
Duration of exposure		4	h
State of aggregation	Gas		
Species	rat		
Source	ECHA		
5	butan-1-ol	71-36-3	200-751-6
LC50	>	17.76	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
6	toluene	108-88-3	203-625-9
LC50	>	20	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Species	rabbit		
Method	OECD 404		

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	n-butyl acetate	123-86-4	204-658-1
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
3	ethanol	64-17-5	200-578-6
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Species	rabbit		
with reference to	CAS 64741-66-8		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		
5	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
6	butan-1-ol	71-36-3	200-751-6
Species	rabbit		
Source	ECHA		
Evaluation	irritant		
7	toluene	108-88-3	203-625-9
Duration of exposure		4	h
Species	rabbit		
Method	EU B.4		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		
2	n-butyl acetate	123-86-4	204-658-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	ethanol	64-17-5	200-578-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
4	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Species	rabbit		
with reference to	CAS 64741-66-8		
Method	EPA OPPTS 870.2400		
Source	ECHA		
Evaluation	non-irritant		
5	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
6	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Species	rabbit		
Method	OECD 405		

Trade name: einzA Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Source Evaluation		ECHA / Read across non-irritant	
7	butan-1-ol	71-36-3	200-751-6
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		strongly irritant	
8	toluene	108-88-3	203-625-9
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
2	acetone	67-64-1	200-662-2
Route of exposure		Skin	
Species		guinea pig	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	ethanol	64-17-5	200-578-6
Route of exposure		respiratory tract	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		Skin	
Species		mouse	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
4	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
5	propan-2-ol	67-63-0	200-661-7
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
6	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 429	
Source		ECHA	
Evaluation		non-sensitizing	
7	butan-1-ol	71-36-3	200-751-6
Route of exposure		Skin	
Evaluation/classification		Based on available data, the classification criteria are not met.	
8	toluene	108-88-3	203-625-9
Route of exposure		Skin	
Species		guinea pig	
Method		GPMT, EU B.6	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

1	ethyl-acetate	141-78-6	205-500-4
Type of examination	Bacterial Reverse Mutation Test		
Species	S. typhimurium, other: TA 1535, TA 1537, TA 97, TA98 and TA 100		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	acetone	67-64-1	200-662-2
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	In vitro Mammalian Chromosomal Aberration Test		
Species	Chinese hamster Ovary (CHO)		
Method	OECD 473		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	in vitro gene mutation study in mammalian cells		
Species	Mouse lymphoma cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	n-butyl acetate	123-86-4	204-658-1
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	ethanol	64-17-5	200-578-6
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	in vitro gene mutation study in mammalian cells		
Species	mouse lymphoma cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	Genotoxicity in vivo		
Species	mouse		
Method	OECD 478		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
5	propan-2-ol	67-63-0	200-661-7
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
6	butan-1-ol	71-36-3	200-751-6
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
7	toluene	108-88-3	203-625-9
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium TA98, TA100, TA1535, TA1537		
Method	440/2008/EC B.13./14.		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	in vitro gene mutation study in mammalian cells		
Species	mouse lymphoma cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	In vivo mammalian germ cells - chromosome effects		
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Type of examination	Two-Generation Reproduction Toxicity Study		
Species	mouse		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

2	acetone	67-64-1	200-662-2
Route of exposure		inhalational	
NOAEC		2200	ppm
Type of examination		Prenatal Developmental Toxicity Study	
Species		rat	
Method		OECD 414	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	n-butyl acetate	123-86-4	204-658-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
4	ethanol	64-17-5	200-578-6
Route of exposure		oral	
NOAEL			
Type of examination		2 generation study	
Species		mouse	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
NOAEL		>= 20000	ppm
Type of examination		Prenatal Developmental Toxicity Study	
Species		rat	
Method		OECD 414	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
5	propan-2-ol	67-63-0	200-661-7
Route of exposure		oral	
NOAEL		1000	mg/kg bw/d
Type of examination		Two-Generation Reproduction Toxicity Study	
Species		rats (male/female)	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		Based on the available data, the classification criteria are not met.	
6	butan-1-ol	71-36-3	200-751-6
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
7	toluene	108-88-3	203-625-9
Route of exposure		inhalational	
Type of examination		Toxicity study	
Species		rat	
Source		ECHA	
Evaluation/classification		Indications of toxic effects are available from reproduction studies in animals.	
Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
Route of exposure		dermal	
Type of examination		Toxicity study	
Species		mouse	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	ethanol	64-17-5	200-578-6
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	propan-2-ol	67-63-0	200-661-7
Route of exposure		inhalational	
NOEL		5000	ppm
Species		rats (male/female)	
Method		OECD 451	
Source		ECHA	
4	toluene	108-88-3	203-625-9
Route of exposure		inhalational	
Type of examination		Toxicity study	
Species		rat	
Method		OECD 453	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
STOT - single exposure			

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Route of exposure		inhalational	
NOEC		350	ppm
Species	rat		
Source	ECHA		
Effects	May cause drowsiness or dizziness.		
Evaluation/classification	Based on available data, the classification criteria are met.		
STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
Route of exposure		oral	
NOAEL		10000	ppm
Species	rat		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure		inhalational	
NOAEC		19000	ppm
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	n-butyl acetate	123-86-4	204-658-1
Route of exposure		inhalational	
NOAEC		500	ppm
Duration of exposure		90	day(s)
Species	rat		
Method	EPA OTS 798.2450		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	ethanol	64-17-5	200-578-6
Route of exposure		oral	
Duration of exposure		14	week/s
Species	rat		
Target organ	kidneys		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	propan-2-ol	67-63-0	200-661-7
Route of exposure		inhalational	
NOAEC		12500	mg/m ³
Species	rat		
Method	OECD 451		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
5	toluene	108-88-3	203-625-9
Route of exposure		inhalational	
Duration of exposure		90	d
Species	rat		
Method	EU Method B.26		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		
Route of exposure		oral	
NOAEL		650	mg/kg bw/d
Species	rat		
Method	EU Method B.26		
Source	ECHA		
Evaluation/classification	Based on the available data, the classification criteria are not met.		
Aspiration hazard			
No data available			
Delayed and immediate effects as well as chronic effects from short and long-term exposure			

Trade name: einza Nitroverdünnung

Product no.: 0100242

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Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

11.2 Information on other hazards

Endocrine disrupting properties**Product Name**

einza Nitroverdünnung

No additional information available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
LC50		220	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
2	acetone	67-64-1	200-662-2
LC50		5540	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	n-butyl acetate	123-86-4	204-658-1
LC50		18	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	ethanol	64-17-5	200-578-6
LC50		14200	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	EPA		
Source	ECHA		
5	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
LL50		13.4	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
6	propan-2-ol	67-63-0	200-661-7
LC50		9640	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
7	butan-1-ol	71-36-3	200-751-6
LC50		1376	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
8	toluene	108-88-3	203-625-9
LC50		5.5	mg/l
Duration of exposure		96	h
Species	Oncorhynchus kisutch		
Source	ECHA		

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Evaluation/classification		Based on available data, the classification criteria are not met.	
Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	toluene	108-88-3	203-625-9
NOEC		1.39	mg/l
Duration of exposure		40	day(s)
Species		Oncorhynchus kisutch	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
EC50		3090	mg/l
Duration of exposure		24	h
Species		Daphnia magna	
Source		ECHA	
2	acetone	67-64-1	200-662-2
EC50		8800	mg/l
Duration of exposure		48	h
Species		Daphnia pulex	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	n-butyl acetate	123-86-4	204-658-1
EC50		44	mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
4	ethanol	64-17-5	200-578-6
EC50		5012	mg/l
Duration of exposure		48	h
Species		Ceriodaphnia dubia	
Method		ASTM Standard E 729-80	
Source		ECHA	
5	butan-1-ol	71-36-3	200-751-6
EC50		1328	mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Method		OECD 202	
Source		ECHA	
6	toluene	108-88-3	203-625-9
EC50		3.78	mg/l
Duration of exposure		48	h
Species		Ceriodaphnia dubia	
Method		US EPA 600/4-91-003	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
NOEC		2.4	mg/l
Species		Daphnia magna	
Method		OECD 211	
2	acetone	67-64-1	200-662-2
NOEC		2212	mg/l
Duration of exposure		28	day(s)
Species		Daphnia magna	
Method		OECD 211	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	n-butyl acetate	123-86-4	204-658-1
NOEC		23	mg/l
Duration of exposure		21	day(s)
Species		Daphnia magna	
with reference to		CAS 110-19-0	
Method		OECD 211	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

4	ethanol	64-17-5	200-578-6
NOEC		9.6	mg/l
Duration of exposure		9	day(s)
Species	Daphnia magna		
Source	ECHA		
5	butan-1-ol	71-36-3	200-751-6
NOEC		4.1	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
6	toluene	108-88-3	203-625-9
NOEC		0.74	mg/l
Duration of exposure		7	day(s)
Species	Ceriodaphnia dubia		
Method	EPA 600/4-91-003		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
EC50		397	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD 201		
Source	ECHA		
2	ethanol	64-17-5	200-578-6
EC50		275	mg/l
Duration of exposure		72	h
Species	Chlorella vulgaris		
Method	OECD 201		
Source	ECHA		
3	butan-1-ol	71-36-3	200-751-6
EC50		225	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
NOEC	>	100	mg/l
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	n-butyl acetate	123-86-4	204-658-1
NOEC		196	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
3	butan-1-ol	71-36-3	200-751-6
NOEC		129	mg/l
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
IC50		356	mg/l
Duration of exposure		40	h
Species	Tetrahymena pyriformis (Protozoa)		
Source	ECHA		
2	butan-1-ol	71-36-3	200-751-6
EC50		4390	mg/l
Duration of exposure		17	h
Species	Pseudomonas putida		
Method	DIN 38412		

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Source

ECHA

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Type		COD	
Value		60	%
Duration		10	day(s)
Source		ECHA	
Evaluation		readily biodegradable	
2	acetone	67-64-1	200-662-2
Type		aerobic biodegradation	
Value		90.9	%
Duration		28	day(s)
Method		OECD 301 B	
Source		ECHA	
Evaluation		readily biodegradable	
3	n-butyl acetate	123-86-4	204-658-1
Type		aerobic biodegradation	
Value		83	%
Duration		28	day(s)
Method		OECD 301 D	
Source		ECHA	
Evaluation		readily biodegradable	
4	ethanol	64-17-5	200-578-6
Type		aerobic biodegradation	
Value		appr. 84	%
Duration		20	day(s)
Source		ECHA	
Evaluation		readily biodegradable	
5	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Type		aerobic biodegradation	
Value		83	%
Duration		28	day(s)
Method		OECD 301 F	
Source		ECHA	
Evaluation		readily biodegradable	
6	propan-2-ol	67-63-0	200-661-7
Type		BOD/COD	
Value		53	%
Duration		5	day(s)
Source		ECHA	
Evaluation		readily biodegradable	
7	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Type		aerobic biodegradation	
Value		98	%
Duration		28	day(s)
Source		ECHA	
Evaluation/classification		Readily biodegradable	
8	butan-1-ol	71-36-3	200-751-6
Type		DOC decrease	
Value		92	%
Duration		20	day(s)
Method		OECD	
Source		ECHA	
Evaluation		readily biodegradable	
9	toluene	108-88-3	203-625-9
Type		BOD of the ThOD	
Value		69	%
Duration		5	d
Source		ECHA	
Evaluation		readily biodegradable	
Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Type		Photolysis	
Half-life		3.3	day(s)
Reference temperature		25	°C

Trade name: einzA Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Source

ECHA

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
BCF		30	
Source		ECHA	
2	n-butyl acetate	123-86-4	204-658-1
BCF		15.3	
Method		Calculation model used (Q)SAR	
Source		ECHA	
3	toluene	108-88-3	203-625-9
BCF		90	
Species		fish	
Source		ECHA	
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
log Pow		0.68	
Reference temperature		25	°C
with reference to		pH 7	
Method		EPA OPPTS 830.7560	
Source		ECHA	
2	acetone	67-64-1	200-662-2
log Pow		-0.23	
Method		QSAR	
Source		ECHA	
3	n-butyl acetate	123-86-4	204-658-1
log Pow		2.3	
Reference temperature		25	°C
Method		OECD 117	
Source		ECHA	
4	ethanol	64-17-5	200-578-6
log Pow		-0.35	
Reference temperature		24	°C
with reference to		pH 7,4	
Method		OECD 107	
Source		ECHA	
5	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source		ECHA	
6	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
log Pow		3.6	
Reference temperature		20	°C
with reference to		pH 7	
Source		ECHA	
7	toluene	108-88-3	203-625-9
log Pow		2.73	
Reference temperature		20	°C
with reference to		pH 7	
Source		ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

Endocrine disrupting properties
Product Name
einzA Nitroverdünnung
No additional information is available.

12.7 Other adverse effects

No data available.

12.8 Other information

Trade name: einzA Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Other information

Do not allow to enter drains or water courses.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Waste code 07 01 04* other organic solvents, washing liquids and mother liquors

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers must be scrapped or reconditioned.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID/ADN	UN1263
IMDG	UN1263
ICAO-TI / IATA	UN1263

14.2 UN proper shipping name

ADR/RID/ADN	PAINT RELATED MATERIAL
IMDG	PAINT RELATED MATERIAL
ICAO-TI / IATA	Paint related material

14.3 Transport hazard class(es)

ADR/RID/ADN - Class	3
Label	3
Classification code	F1
Tunnel restriction code	D/E
Hazard identification no.	33
Special Provision 640	640D
IMDG - Class	3
Label	3
ICAO-TI / IATA - Class	3
Label	3

14.4 Packing group

ADR/RID/ADN	II
IMDG	II
ICAO-TI / IATA	II

14.5 Environmental hazards

EmS	F-E, S-E
-----	----------

14.6 Special precautions for user

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Trade name: einza Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	acetone	67-64-1	200-662-2	75
2	butan-1-ol	71-36-3	200-751-6	75
3	butanone	78-93-3	201-159-0	75
4	cyclohexane	110-82-7	203-806-2	75
5	ethyl-acetate	141-78-6	205-500-4	75
6	n-hexane	110-54-3	203-777-6	75
7	propan-2-ol	67-63-0	200-661-7	75
8	toluene	108-88-3	203-625-9	48, 75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: P5b

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content	99.8	%
VOC-value	827	g/l

National regulations**Other national regulations**

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361d	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.

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

P The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

EU safety data sheet



Trade name: einzA Nitroverdünnung

Product no.: 0100242

Current version: 7.0.0, Revision: 18.06.2026

Replaced version: 6.0.1, Revision: 17.12.2025

Region: GB

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