

Trade name: einza Härter Lawiment, 2-K-PU Mattsiegel

Product no.: 0079320

Current version: 1.1.0, Revision: 25.02.2026

Replaced version: 1.0.0, Revision: 28.01.2026

Region:
GER

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

1.1 Product identifier

Trade name

einza Härter Lawiment, 2-K-PU Mattsiegel

UFI:

FYVC-V1Y2-K007-5PYE

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

Relevant identified uses of the substance or mixture

decorative paints/finishes

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

Information provided by / telephone

In emergencies, the country-specific emergency number can be found in the corresponding country-specific safety data sheets.

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+49 (0)40 0511 - 674 90-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Acute Tox. 4; H332

Eye Irrit. 2; H319

Resp. Sens. 1; H334

Skin Sens. 1; H317

STOT SE 3; H335

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



GHS07



GHS08

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Signal word

Danger

Hazardous component(s) to be indicated on label:

Aliphatic polyisocyanate
tosyl isocyanate

Hazard statement(s)

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

Hazard statements (EU)

EUH204 Contains isocyanates. May produce an allergic reaction.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

UFI:

FYVC-V1Y2-K007-5PYE

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	Aliphatic polyisocyanate		
	28182-81-2 931-274-8 - 01-2119485796-17	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335	>= 70,00 - < 90,00 wt%
2	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, phosphate		
	9046-01-9 - - -	Aquatic Chronic 3; H412 Eye Dam. 1; H318 Skin Irrit. 2; H315	< 2,50 wt%
3	tosyl isocyanate		
	4083-64-1 223-810-8 615-012-00-7 01-2119980050-47	EUH014 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 STOT SE 3; H335	< 2,50 wt%

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4	cyclohexyldimethylamine			
	98-94-2 202-715-5 - 01-2119533030-60	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Aquatic Chronic 3; H412 Flam. Liq. 3; H226 Skin Corr. 1B; H314 Eye Dam. 1; H318	< 0,50	wt%
5	hexamethylene-diisocyanate			
	822-06-0 212-485-8 615-011-00-1 01-2119457571-37	Acute Tox. 4; H302 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 Acute Tox. 1; H330	< 0,10	wt%

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
5	-	Resp. Sens. 1; H334: C \geq 0,5% Skin Sens. 1; H317: C \geq 0,5%	-	-

Acute toxicity estimate (ATE) values				
No	oral	dermal	inhalative	
4	289 mg/kg bodyweight	380 mg/kg bodyweight		

3.3 Other information

According to the information provided in the supply chain, the monomeric diisocyanate content is < 0.1 %.

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

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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

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

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. Do not allow to enter drains/watercourses/soil.

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

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

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Comply with legal health and safety regulations; Storage in accordance with the Ordinance on Industrial Safety and Health. Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep from freezing.

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.

Storage Class according TRGS 510

12 Non-combustible liquids that cannot be assigned to any of the above LGKs.

7.3 Specific end use(s)

No data available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
	2024/869/EC		
	Diisocyanates (measured as NCO (10))		
	WEL long-term (8-hr TWA reference period)	0,006 mg/m ³	12 ppm
	Skin resorption / sensibilisation	Skin (8) Dermal and respiratory sensitisation (9)	
	Comments	A limit value of 10 µg NCO/m ³ in relation to a reference period of 8 hours and a short-term exposure limit value of 20 µg NCO/m ³ shall apply until 31 December 2028.	
	TRGS 900		
	Diisocyanate (gemessen als „NCO“)		
	WEL long-term (8-hr TWA reference period)	0,006 mg/m ³	
	Ceiling Limit	2	
	Skin resorption / sensibilisation	Sah	

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	Aliphatic polyisocyanate			28182-81-2 931-274-8
	inhalative	Short term (acut)	local	1 mg/m ³
	with reference to: Air			
	inhalative	Long term (chronic)	local	0,5 mg/m ³
	with reference to: Air			
2	tosyl isocyanate			4083-64-1 223-810-8
	dermal	Long term (chronic)	systemic	0,92 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	3,24 mg/m ³
3	cyclohexyldimethylamine			98-94-2 202-715-5
	dermal	Long term (chronic)	systemic	0,6 mg/kg/day
	dermal	Long term (chronic)	local	
	Comments: high hazard (no threshold derived)			
	dermal	Short term (acut)	local	
	Comments: high hazard (no threshold derived)			
	inhalative	Long term (chronic)	local	8,3 mg/m ³
	inhalative	Short term (acut)	local	8,3 mg/m ³
	inhalative	Long term (chronic)	systemic	0,53

DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	tosyl isocyanate			4083-64-1 223-810-8
	oral	Long term (chronic)	systemic	0,46 mg/kg bw/day
	dermal	Long term (chronic)	systemic	0,46 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0,8 mg/m ³

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	Aliphatic polyisocyanate		28182-81-2 931-274-8
	water	fresh water	0,127 mg/L

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	water	marine water	0,0127	mg/L
	water	fresh water sediment	266700	mg/kg
	with reference to: dry weight			
	water	marine water sediment	266700	mg/kg
	with reference to: dry weight			
	soil	-	53182	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	38,28	mg/L
2	tosyl isocyanate		4083-64-1 223-810-8	
	water	fresh water	0,03	mg/L
	water	fresh water sediment	0,172	mg/kg dry weight
	water	Aqua intermittent	0,3	mg/L
	water	marine water	0,003	mg/L
	water	marine water sediment	0,017	mg/kg dry weight
	soil	-	0,017	mg/kg dry weight
	sewage treatment plant	-	0,4	mg/L
3	cyclohexyldimethylamine		98-94-2 202-715-5	
	water	fresh water	3,5	µg/L
	water	marine water	0,35	µg/L
	water	Aqua intermittent	35	µg/L
	water	fresh water sediment	36,92	µg/kg dry weight
	water	marine water sediment	3,69	µg/kg dry weight
	soil	-	5,33	µg/kg dry weight
	sewage treatment plant	-	20,60	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 In case of short-term contact / splash protection: nitrile rubber
 Material thickness > 0,4 mm
 Breakthrough time > 120 min
 Appropriate Material In case of prolonged exposure: nitrile rubber

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Material thickness	>	0,4	mm
Breakthrough time	>	480	min

Other

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form			
liquid			
Colour			
according to product name			
Odour			
characteristic			
pH value			
reason for missing pH		substance/mixture is non-soluble (in water)	
Boiling point / boiling range			
Value	appr.	100	°C
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	65	- 68	°C
Method	closed cup		
Ignition temperature			
No data available			
Oxidising properties			
Not applicable			
Flammability			
Not applicable			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Value	<	100	hPa
Reference temperature		50	°C
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	1,11	- 1,12	g/cm ³
Reference temperature		20	°C

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Method	DIN 51757
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Solubility in water	
Comments	miscible

Solubility	
No data available	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	cyclohexyldimethylamine	98-94-2	202-715-5
log Pow		2,01	
Reference temperature		25	°C
Method		OECD 107	
Source		ECHA	

Kinematic viscosity			
Value	50	-	60
Reference temperature			20
Method	DIN EN 2431 (4 mm)		

Solvent separation test	
Not applicable	

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 Härter Lawiment, 2-K-PU Mattsiegel	
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).

Acute oral toxicity	
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No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
LD50	>	2500	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
LD50		289	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)**Product Name**

einza Härter Lawiment, 2-K-PU Mattsiegel

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	Aliphatic polyisocyanate	28182-81-2	931-274-8
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
LD50		380	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

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

einza Härter Lawiment, 2-K-PU Mattsiegel

ATE (Mixture)

14,1002 mg/l

Route of exposure / physical form

Vapour

Method

Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	cyclohexyldimethylamine	98-94-2	202-715-5
LC50	1,7	- 5,5	mg/l
Duration of exposure		6	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8

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Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	low-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	Aliphatic polyisocyanate	28182-81-2	931-274-8
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		
2	cyclohexyldimethylamine	98-94-2	202-715-5
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	cyclohexyldimethylamine	98-94-2	202-715-5
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium TA98, TA100, TA1535, TA1537		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	cyclohexyldimethylamine	98-94-2	202-715-5
Route of exposure		oral	
NOAEL	>	1500	ppm
Duration of exposure		54	day(s)
Type of examination	Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test		
Species	rats (male/female)		
Method	OECD 422		
Source	ECHA		

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	cyclohexyldimethylamine	98-94-2	202-715-5
Route of exposure		oral	
NOAEL		100	mg/kg bw/d
Duration of exposure		90	day(s)
Species	rats (male/female)		
Method	OECD 408		
Source	ECHA		
Route of exposure		inhalational	
NOEL		104	mg/m ³
Species	rats (male/female)		
Source	ECHA		

Aspiration hazard	

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No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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**

No data 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	cyclohexyldimethylamine	98-94-2	202-715-5
LC50		31,58	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	DIN 38 412, Part 15		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
EC50		127	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
EC50		75	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
EC50		>	1000 mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
EC50		3,5	mg/l
Duration of exposure		72	h

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Species	Pseudokirchneriella subcapitata
Method	OECD 201
Source	ECHA

Toxicity to algae (chronic)
No data available

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
EC50		3828	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
EC50		206	mg/l
Duration of exposure		17	h
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
Type	aerobic biodegradation		
Value		1	%
Duration		28	day(s)
Method	OECD 301 A		
Source	ECHA		
Evaluation	not readily biodegradable		
2	cyclohexyldimethylamine	98-94-2	202-715-5
Type	aerobic biodegradation		
Value	90	- 100	%
Duration		18	day(s)
Method	OECD 301 A		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Aliphatic polyisocyanate	28182-81-2	931-274-8
BCF		141	
Method	QSAR		
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	cyclohexyldimethylamine	98-94-2	202-715-5
log Pow		2,01	
Reference temperature		25	°C
Method	OECD 107		
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

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No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Do not allow to enter drains or water courses.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste code	08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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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.

Allow paint/varnish to dry out completely in a well-ventilated area and dispose of in residual waste once completely solidified. Dispose of liquid or non-drying residues separately.

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

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

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

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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.

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

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	hexamethylene-diisocyanate	822-06-0	212-485-8	75
2	tosyl isocyanate	4083-64-1	223-810-8	75

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

This product is not subject to Part 1 or 2 of Annex I.

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

VOC content 76,80 %

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE , Cat. : j, type: wb = 140 g/l
Max. VOC content (limit value) of the product in its ready for use condition = < 140 g/l

National regulations

Water Hazard Class (Germany)

Class 1
Source Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

Other regulations

GISCODE BSW20 Covering agents, solvent based

Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment. For example, TRGS (Technical Rules for Hazardous Substances) and the DGUV (German Social Accident Insurance) rules.

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)

EUH014	Reacts violently with water.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.

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H412 Harmful 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.

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.

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