Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

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

· **1.1 Product identifier**

· Trade name: **Akenova Elastic 100**

· Article number: 10334, 10335, 10336, 10337, 10338, 10339

· UFI: XF87-909H-M00W-W3QJ

· **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

· Application of the substance / the mixture Adhesives

· **1.3 Details of the supplier of the safety data sheet**

· Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg
Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

· Further information obtainable from: Laboratory

· **1.4 Emergency telephone number:** Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
Tel. +49(0)911-64296-59
Reachable during the following office hours:
Monday – Thursday from 07:30 a.m. to 16:30 p.m.
Friday from 07:30 a.m. to 13:30 p.m.

* **SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· **2.2 Label elements**

· Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

· Hazard pictograms

GHS07

· Signal word Warning

· Hazard-determining components of labelling: N-(3-(trimethoxysilyl)propyl)ethylenediamine
trimethoxyvinylsilane

· Hazard statements
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

· Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P261	Avoid breathing vapours.
P280	Wear protective gloves / eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

(Contd. on page 2)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 1)

P501 Dispose of contents/container in accordance with local/ regional/national/international regulations.

· **2.3 Other hazards**

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB:

1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine

· Determination of endocrine-disrupting properties: For information on endocrine disrupting properties see section 11.

*

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· Description: Mixture: consisting of the following components.

· Dangerous components:

EC number: 907-495-0 Reg.nr.: 01-2119545465-35	Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[2-[(1-oxodecyl)amino]ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis Aquatic Chronic 3, H412	<10%
CAS: 1760-24-3 EINECS: 217-164-6 Reg.nr.: 01-2119970215-39	N-(3-(trimethoxysilyl)propyl)ethylenediamine Eye Dam. 1, H318 Skin Sens. 1, H317; STOT SE 3, H335 vPvB	1-5%
CAS: 2768-02-7 EINECS: 220-449-8 Index number: 014-049-00-0 Reg.nr.: 01-2119513215-52-0003	trimethoxyvinylsilane Flam. Liq. 3, H226 Acute Tox. 4, H332; Skin Sens. 1B, H317	1-5%
CAS: 78-10-4 EINECS: 201-083-8 Index number: 014-005-00-0 Reg.nr.: 01-2119496195-28	tetraethyl silicate Flam. Liq. 3, H226 Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	1-5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact: Rinse with warm water.
If skin irritation continues, consult a doctor.

· After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

(Contd. on page 3)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 2)

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· Suitable extinguishing agents: CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.
· **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:** Do not flush with water or aqueous cleansing agents
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· **6.4 Reference to other sections** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
Ensure good ventilation/exhaustion at the workplace.
· Information about fire - and explosion protection: Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.

· **7.2 Conditions for safe storage, including any incompatibilities**
· Storage:
· Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: Protect from frost.
Protect from humidity and water.
Store in cool, dry conditions in well sealed receptacles.
· Storage class: 12
· **7.3 Specific end use(s)** No further relevant information available.

(Contd. on page 4)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 3)

* **SECTION 8: Exposure controls/personal protection**

· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:	
2768-02-7 trimethoxyvinylsilane	
TLV-ACGIH	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm
78-10-4 tetraethyl silicate	
IOELV	Long-term value: 44 mg/m³, 5 ppm

· DNELs		
Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[-2-[(1-oxodecyl)amino]ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis		
Inhalative	DNEL (Langzeit-wiederholt)	17.3 mg/m³ Air (ARB) 8.6 mg/m³ Air (BEV)
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	DNEL (Langzeit-wiederholt)	2.5 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	5 mg/kg bw/day (ARB) 17 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	5 mg/kg bw/day (ARB) 2.5 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	35.5 mg/m³ Air (ARB) 8.7 mg/m³ Air (BEV)
2768-02-7 trimethoxyvinylsilane		
Oral	DNEL (Langzeit-wiederholt)	0.3 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	0.2 mg/kg bw/day (ARB) 0.1 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	3.9 mg/kg bw/day (ARB) 7.8 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	4.9 mg/m³ Air (ARB) 93.4 mg/m³ Air (BEV)
	DNEL (Langzeit-wiederholt)	27.6 mg/m³ Air (ARB) 6.7-18.9 mg/m³ Air (BEV)
78-10-4 tetraethyl silicate		
Dermal	DNEL (Kurzzeit-akut)	12.1 mg/kg bw/day (ARB) 8.4 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	12.1 mg/kg bw/day (ARB) 8.4 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	85 mg/m³ Air (ARB) 25 mg/m³ Air (BEV)
	DNEL (Langzeit-wiederholt)	85 mg/m³ Air (ARB) 25 mg/m³ Air (BEV)

· PNECs	
Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[-2-[(1-oxodecyl)amino]ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis	
PNEC (wässrig)	10 mg/l (KA)

(Contd. on page 5)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 4)

PNEC (fest)	0.074 mg/l (MW) 0.74 mg/l (SW) 3,714.9 mg/kg Trockengew (BO) 108 mg/kg Trockengew (MWS) 1,080 mg/kg Trockengew (SWS)
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine	
PNEC (wässrig)	25 mg/l (KA) 0.0062 mg/l (MW) 0.062 mg/l (SW) 0.62 mg/l (WAS)
PNEC (fest)	0.0075 mg/kg Trockengew (BO) 0.005 mg/kg Trockengew (MWS) 0.05 mg/kg Trockengew (SWS)
2768-02-7 trimethoxyvinylsilane	
PNEC (wässrig)	6.6 mg/l (KA) 0.036 mg/l (MW) 0.36 mg/l (SW) 2.4 mg/l (WAS)
PNEC (fest)	0.06 mg/kg Trockengew (BO) 0.15 mg/kg Trockengew (MWS) 1.5 mg/kg Trockengew (SWS)
78-10-4 tetraethyl silicate	
PNEC (wässrig)	4,000 mg/l (KA) 0.0192 mg/l (MW) 0.192 mg/l (SW) 10 mg/l (WAS)
PNEC (fest)	0.05 mg/kg Trockengew (BO) 0.018 mg/kg Trockengew (MWS) 0.18 mg/kg Trockengew (SWS)

· Additional information: The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· Appropriate engineering controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.

· Respiratory protection: Not required.

· Hand protection The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times´ data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL GmbH in compliance with EN374.
This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or

(Contd. on page 6)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 5)

chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de).
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable:
Butyl rubber, BR

· As protection from splashes gloves made of the following materials are suitable:
Butoject (KCL, Art_No. 897, 898)
Butyl rubber, BR

· Not suitable are gloves made of the following materials:
Leather gloves
Strong material gloves
Rubber gloves

· Eye/face protection
Goggles recommended during refilling

· Body protection:
Protective work clothing

*

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· General Information	
· Physical state	Liquid
· Colour:	According to product specification
· Odour:	Nearly odourless
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.4 g/cm³
· Relative density	Not determined.

(Contd. on page 7)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 6)

· Vapour density	Not determined.

· **9.2 Other information**	
· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.0 %
· Solids content:	46.4 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity**	No further relevant information available.
· **10.2 Chemical stability**	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**	No dangerous reactions known.
· **10.4 Conditions to avoid**	No further relevant information available.
· **10.5 Incompatible materials:**	No further relevant information available.

*

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)		
Inhalative	LC50/4 h	315-418 mg/l (rat)

(Contd. on page 8)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 7)

Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[-2-[(1-oxodecyl)amino]ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	5.1 mg/l (rat)
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	LD50	2,995 mg/kg (rat)
	NOEL	≥500 mg/kg (rat) (OECD 422)
	NOAEL	≥500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	1.49 mg/l (rat)
2768-02-7 trimethoxyvinylsilane		
Oral	LD50	6,899-7,120 mg/kg (rat) (OECD 401)
	NOAEL-Werte	250 mg/kg (rat) (OECD422)
Dermal	LD50	3,158-3,760 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	16.8 mg/m3 (rat) (OECD 403)
	LC50/4 h	16.8 mg/l (rat)
	NOAEC	0.058-1.7 mg/l (rat) (EPA OTS)
78-10-4 tetraethyl silicate		
Oral	LD50	>2,500 mg/kg (rat) (OECD 423)
	NOAEL	10 mg/kg (rat) (OECD 422)
Inhalative	LC50/4 h	>5.03 mg/l (rat) (OECD 403)

· Primary irritant effect:
· Skin corrosion/irritation — Based on available data, the classification criteria are not met.
· Serious eye damage/irritation — Causes serious eye irritation.
· Respiratory or skin sensitisation — May cause an allergic skin reaction.
· Germ cell mutagenicity — Based on available data, the classification criteria are not met.
· Carcinogenicity — Based on available data, the classification criteria are not met.
· Reproductive toxicity — Based on available data, the classification criteria are not met.
· STOT-single exposure — Based on available data, the classification criteria are not met.
· STOT-repeated exposure — Based on available data, the classification criteria are not met.
· Aspiration hazard — Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**

· Endocrine disrupting properties

None of the ingredients is listed.

*

SECTION 12: Ecological information

· **12.1 Toxicity**

· Aquatic toxicity:

Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[-2-[(1-oxodecyl)amino]ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis	
EC50/48h	94.9 mg/l (daphnia magna)
EC20/3h	>1,000 mg/l (BES)
NOEC/21d	>20 mg/l (daphnia magna)
EC10	37 mg/l (Pseudokirchneriella subcapitata)
EC50/72h	43.2 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	>100 mg/l (Oncorhynchus mykiss)

(Contd. on page 9)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 8)

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine	
EC50	435 mg/l (Klärschlamm: Atmungs-/Vermehrungshemmung)
	67 mg/l (pseudomonas putida) (DIN 38412 part 8)
IC50/72h	8.8 mg/l (algae) (OECD 201)
EC50/48h	23 mg/l (daphnia magna) (OECD 202)
ErC50/72h	8.8 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50/16h	67 mg/l (pseudomonas putida)
NOEC	3.1 mg/kg (algae) (OECD 201)
	≥1,000 mg/kg (Eisenia fetida (Regenwürmer)) (OECD 207)
NOELR/72h	3.1 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC/21d	>1 mg/l (daphnia magna)
EC50/48h	87.4 mg/l (daphnia magna)
EC50/72h	5 mg/l (algae)
	126 mg/l (Scenedesmus subspicatus)
LC50/96h	344 mg/l (Brachydanio rerio)
	597 mg/l (Danio rerio.) (OECD 203)
	168 mg/l (pimephales promelas)
2768-02-7 trimethoxyvinylsilane	
IC50/72h	210 mg/l (selenastrum capricornutum)
EC50/48h	169 mg/l (daphnia magna) (OECD 202)
EC10/5h	1,000 mg/l (pseudomonas putida)
ErC50/72h	>957 mg/l (Desmodesmus subspicatus) (OECD 201)
	>89 mg/l (Pseudokirchneriella subcapitata)
EC50/8d	210 mg/l (Pseudokirchneriella subcapitata)
NOEC	28 mg/kg (daphnia magna) (OECD 211)
	25 mg/kg (Selenastrum capricornutum)
NOELR/72h	>957 mg/l (Desmodesmus subspicatus) (=ECD 201)
	≥89 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	28.1 mg/l (daphnia magna) (OECD 211)
EC10	1,000 mg/l (pseudomonas putida)
	32 mg/l (selenastrum capricornutum)
LC50/96h	>100 mg/l (Danio rerio.) (OECD 203)
	191 mg/l (Oncorhynchus mykiss) (OECD 203)
78-10-4 tetraethyl silicate	
EC50	>100 mg/l (Klärschlamm: Atmungs-/Vermehrungshemmung)
EC50/48h	>75 mg/l (daphnia magna) (OECD TG 202)
NOELR/72h	>100 mg/l (Pseudokirchneriella subcapitata) (OECD TG 201)
EC50/72h	>100 mg/l (Pseudokirchneriella subcapitata) (OECD TG 201)
LC50/96h	>245 mg/l (Danio rerio.) (OECD tg 203)

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· PBT: Not applicable.

(Contd. on page 10)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 9)

· vPvB:	
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine

· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· Remark: Harmful to fish

· Additional ecological information:

· General notes: Harmful to aquatic organisms
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN number or ID number**	
· ADR, ADN, IMDG, IATA	Void
· **14.2 UN proper shipping name**	
· ADR, ADN, IMDG, IATA	Void
· **14.3 Transport hazard class(es)**	
· ADR, ADN, IMDG, IATA	
· Class	Void
· **14.4 Packing group**	
· ADR, IMDG, IATA	Void
· **14.5 Environmental hazards:**	
· Marine pollutant:	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

*

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 11)

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 10)

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU 0.6 g/l

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Department issuing SDS: Laboratory
· Date of previous version: 12.07.2023
· Version number of previous version: 12
· Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

(Contd. on page 12)

Safety data sheet

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

Printing date 17.06.2025 Version number 13 (replaces version 12) Revision: 17.06.2025

Trade name: Akenova Elastic 100

(Contd. of page 11)

Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3