



ARDEX PANDOMO P 40 MS

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 1/22/2025 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : ARDEX PANDOMO P 40 MS
Product code : 8183

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

Relevant identified uses

Main use category : For professional use only
Industrial/Professional use spec : Construction materials
Use of the substance/mixture : Primer
Function or use category : Construction materials

1.3. Details of the supplier of the safety data sheet

Supplier

ARDEX Baustoff GmbH
Hürmer Str. 40
AT A-3382 Loosdorf
Austria
T +43/2754/7021-0, F +43/2754/2490
E-mail address of competent person responsible for the SDS : produktion@ardex.at

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Austria	Notrufnummer		+43-(0)1-4064343 (Vergiftungsinformationsz entrale Österreich)	
Austria	Emergency number		+43-(0)1-4064343 (Poisoning Information Center Austria)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation Not classified

Based on available data, the classification criteria are not met; No irritant effect; (OECD 405 method)

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

Adverse physicochemical, human health and environmental effects

Classification is based on own findings (see chapter 11).

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P102 - Keep out of reach of children.
EUH-statements : EUH208 - Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.
Extra phrases : Dispose of the container and contents in the set state in accordance with applicable local/regional/national/international regulations.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	3-aminopropyltrimethoxysilane (13822-56-5), 3-aminopropyltriethoxysilane (919-30-2)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	3-aminopropyltrimethoxysilane (13822-56-5), 3-aminopropyltriethoxysilane (919-30-2)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Comments : Mixture of the substances listed below with harmless additives

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-aminopropyltrimethoxysilane	CAS-No.: 13822-56-5 EC-No.: 237-511-5 REACH-no: 01-211951059-45	>1 - ≤ 2.5	Skin Irrit. 2, H315 Eye Dam. 1, H318
3-aminopropyltriethoxysilane	CAS-No.: 919-30-2 EC-No.: 213-048-4 EC Index-No.: 612-108-00-0 REACH-no: 01-2119480479-24	> 0.25 - < 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317

Comments : Full text of H-statements: see section 16

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : Wash off with soap and plenty of water.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects : No additional information available.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO2). extinguishing powder. Water spray. Alcohol-resistant foam. Adapt extinguishing measures to the environment.

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5.2. Special hazards arising from the substance or mixture

Fire hazard : No additional information available.

5.3. Advice for firefighters

Precautionary measures fire : Wear self-contained breathing apparatus and protective suit (see section 8).
Other information : Do not use water jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate air ventilation.

For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Other information : For disposal of residues refer to section 13 : Disposal considerations " ".

6.4. Reference to other sections

See Section 7. See Section 8. See Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Use only in well-ventilated areas.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in cool, dry conditions in well sealed receptacles.
Information on mixed storage : Not required.
Storage area : Protect from humidity and water.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL and PNEC

3-aminopropyltrimethoxysilane (13822-56-5)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	1 mg/kg bw/day
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Long-term - systemic effects, inhalation	7.1 mg/m ³
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DNEL/DMEL (General population)

Long-term - systemic effects, inhalation	1.7 mg/m ³
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3-aminopropyltrimethoxysilane (13822-56-5)	
Long-term - systemic effects, dermal	0.5 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0.5 mg/l
PNEC aqua (marine water)	0.05 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.8 mg/kg dwt
PNEC sediment (marine water)	0.18 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.069 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	11.1 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	0.81 mg/l
3-aminopropyltriethoxysilane (919-30-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	8.3 mg/kg bw/day
Acute - systemic effects, inhalation	59 mg/m ³
Long-term - systemic effects, dermal	8.3 mg/kg bw/day
Long-term - systemic effects, inhalation	59 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	5 mg/kg bw/day
Acute - systemic effects, inhalation	17.4 mg/m ³
Long-term - systemic effects, inhalation	17.4 mg/m ³
Long-term - systemic effects, dermal	5 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0.33 mg/l
PNEC aqua (marine water)	0.033 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.2 mg/kg dwt
PNEC sediment (marine water)	0.12 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.05 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	13 mg/l
methanol (67-56-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	20 mg/kg bw/day
Acute - systemic effects, inhalation	130 mg/m ³

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methanol (67-56-1)	
Acute - local effects, inhalation	130 mg/m³
Long-term - systemic effects, dermal	20 mg/kg bw/day
Long-term - systemic effects, inhalation	130 mg/m³
Long-term - local effects, inhalation	130 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	4 mg/kg bw/day
Acute - systemic effects, inhalation	26 mg/m³
Acute - systemic effects, oral	4 mg/kg bw/day
Acute - local effects, inhalation	26 mg/m³
Long-term - systemic effects,oral	4 mg/kg bw/day
Long-term - systemic effects, inhalation	26 mg/m³
Long-term - systemic effects, dermal	4 mg/kg bw/day
Long-term - local effects, inhalation	26 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Exercise customary precautions when handling chemicals. Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
Sealed safety goggles			

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

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Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	Please follow the instructions related to the permeability and the penetration time provided by the manufacturer	> 0,35 mm	Refer to supplier/manufacturer	

Other skin protection

Materials for protective clothing:

Wear suitable protective clothing

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
	Wear a respirator conforming to EN140 with Type A/P2 filter or better, Type AX - Low-boiling (<65 °C) organic compounds	In case of inadequate ventilation wear respiratory protection.	

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Do not allow to enter drains or water courses.

Other information:

Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Appearance	: Liquid.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not determined
Freezing point	: Not available
Boiling point	: Not determined
Flammability	: Not applicable
Lower explosion limit	: Not determined
Upper explosion limit	: Not determined
Flash point	: > 100 °C
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not determined
pH	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: 600 mPa·s (ISO 2555)
Solubility	: Slightly miscible.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.1 g/cm³
Relative density	: Not determined
Relative vapour density at 20°C	: Not determined

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Particle characteristics : Not applicable

9.2. Other information

Other safety characteristics

VOC content : 0.1 %

Additional information : No additional information

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Not known. Product releases small amounts of methanol when used as intended.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

3-aminopropyltrimethoxysilane (13822-56-5)

LD50 oral rat	3030 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	11458 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
ATE CLP (oral)	3030 mg/kg bodyweight
ATE CLP (dermal)	11458 mg/kg bodyweight

3-aminopropyltriethoxysilane (919-30-2)

LD50 oral rat	1.57 – 2.83 ml/kg (EPA OTS 798.1175, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	4.29 ml/kg (EPA OTS 798.1100, 24 h, Rabbit, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat [ppm]	> 5 ppm (OECD 403: Acute Inhalation Toxicity, 6 h, Rat, Male, Experimental value, Inhalation (vapours))
ATE CLP (oral)	1491.5 mg/kg bodyweight
ATE CLP (dermal)	4075.5 mg/kg bodyweight

Skin corrosion/irritation : Based on available data, the classification criteria are not met
pH: Not determined

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3-aminopropyltrimethoxysilane (13822-56-5)	
pH	9 (2 %, 20 °C)

Serious eye damage/irritation : Based on available data, the classification criteria are not met
pH: Not determined

3-aminopropyltrimethoxysilane (13822-56-5)	
pH	9 (2 %, 20 °C)

Respiratory or skin sensitisation : Based on available data, the classification criteria are not met
Germ cell mutagenicity : Based on available data, the classification criteria are not met
Carcinogenicity : Based on available data, the classification criteria are not met
Reproductive toxicity : Based on available data, the classification criteria are not met
STOT-single exposure : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified
Additional information : Based on available data, the classification criteria are not met

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Viscosity, kinematic	Not determined

3-aminopropyltrimethoxysilane (13822-56-5)	
Viscosity, kinematic	1.77 mm ² /s (20 °C, DIN 51562: Capillary viscometer)

3-aminopropyltriethoxysilane (919-30-2)	
Viscosity, kinematic	2.105 mm ² /s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No additional information available.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

3-aminopropyltrimethoxysilane (13822-56-5)	
LC50 - Fish [1]	> 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	> 1000 mg/l (EU Method C.3, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)

3-aminopropyltriethoxysilane (919-30-2)	
LC50 - Fish [1]	> 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	> 1000 mg/l (EU Method C.3, 72 h, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

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12.2. Persistence and degradability

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Persistence and degradability	No additional information available.
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3-aminopropyltrimethoxysilane (13822-56-5)

Persistence and degradability	Not readily biodegradable in water.
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3-aminopropyltriethoxysilane (919-30-2)

Persistence and degradability	Not readily biodegradable in water.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No additional information available.
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3-aminopropyltrimethoxysilane (13822-56-5)

Partition coefficient n-octanol/water (Log Pow)	0.2 (QSAR, KOWWIN, 20 °C)
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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3-aminopropyltriethoxysilane (919-30-2)

BCF - Fish [1]	3.4 (OECD 305: Bioconcentration: Flow-Through Fish Test, 8 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, Fresh weight)
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Partition coefficient n-octanol/water (Log Pow)	1.7 (QSAR, 20 °C)
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Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
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12.4. Mobility in soil

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Ecology - soil	Do not allow undiluted product enter the sewer.
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3-aminopropyltrimethoxysilane (13822-56-5)

Surface tension	No data available in the literature
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	-0.6 (log Koc, QSAR)
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Ecology - soil	Highly mobile in soil.
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3-aminopropyltriethoxysilane (919-30-2)

Ecology - soil	No (test)data on mobility of the substance available.
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12.5. Results of PBT and vPvB assessment

Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	3-aminopropyltrimethoxysilane (13822-56-5), 3-aminopropyltriethoxysilane (919-30-2)
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Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	3-aminopropyltrimethoxysilane (13822-56-5), 3-aminopropyltriethoxysilane (919-30-2)
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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : No additional information available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional waste regulation : Dispose of contents/container in accordance with regional/national/international/local regulations. Do not dispose of with domestic waste. Avoid direct discharge into drains.
- Product/Packaging disposal recommendations : Empty remaining contents.
- European List of Waste (LoW, EC 2000/532) : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00 - wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content : 0.1 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
EUH208	Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.