



Safety Data Sheet according to GB/T 16483 and GB/T 17519

Pattex FT101 Trans. 280ml cart.

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1. Identification of the substance/preparation and of the company/undertaking

Product name: Pattex FT101 Trans. 280ml cart.

Intended use: adhesive and sealant

Manufacturer/Importer/Distributor Representative Company

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2. Hazards identification

EMERGENCY OVERVIEW:

transparent, characteristic, solid, May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

Classification of the substance or mixture according to GB 30000.1 (Specification for classification and labelling of chemicals—Part 1 : General rules):

<u>Hazard Class</u>	<u>Hazard Category</u>
Skin sensitizer	Category 1
Chronic hazards to the aquatic environment	Category 3

Label elements according to GB 15258 (General rules for preparation of precautionary label for chemicals):

Hazard pictogram:



Signal word: Warning

Hazard statement:	H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
Prevention:	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves.
Response:	P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.
Disposal:	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Physical and chemical hazards:

Based on current information, there are no physical or chemical hazards.

Health hazards:

May cause an allergic skin reaction.

Environmental hazards:

Harmful to aquatic life with long lasting effects.

3. Composition / information on ingredients

Substance or Mixture:

Mixture

Declaration of the ingredients according to GB 30000.1:

Hazard component CAS-No.	Content	GHS Classification
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]-216597-12-5	30- < 50 %	Acute toxicity 5; Inhalation H333 Acute toxicity 5; Dermal H313
Trimethoxyvinylsilane 2768-02-7	1- < 10 %	Flammable liquids 3 H226 Acute toxicity 4; Inhalation H332 Acute toxicity 5; Dermal H313 Skin sensitizer 1B H317
tebuconazole 107534-96-3	0.1- < 0.25 %	Acute toxicity 4; Oral H302 Toxic to reproduction 2 H361 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
Diocetyl tin dilaurate 3648-18-8	0.1- < 0.3 %	Toxic to reproduction 1B H360 Specific target organ toxicity - repeated exposure 1 H372

Only hazardous ingredients for which a classification according to GB 30000.1 is already available are displayed in this table. For full text of the Hazard statements see section 16 "Other information".

4. First aid measures

Description of necessary first-aid measures:

Skin contact:	Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.
Eye contact:	Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.
Inhalation:	Move to fresh air, consult doctor if complaint persists.
Ingestion:	Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.
Most important symptoms/effects, acute and delayed:	The most important known symptoms and effects are described in chapters 2 and/or 11.
Indication of any immediate medical attention and special treatment needed, if necessary:	Post-exposure treatment should focus on controlling the patient's clinical symptoms and signs.

5. Fire fighting measures

Suitable extinguishing media:	carbon dioxide, foam, powder, water spray jet, fine water spray
Special protective actions for fire-fighters:	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO ₂) can be released. Wear self-contained breathing apparatus. Wear protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Wear protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation.
Environmental precautions:	Do not empty into drains / surface water / ground water.
Methods and materials for containment and cleaning up:	Dispose of contaminated material as waste according to Section 13. Remove mechanically.

7. Handling and storage

Precautions for safe handling:	Ensure that workrooms are adequately ventilated. Avoid skin and eye contact.
Hygiene measures:	Do not eat, drink, smoke or take snuff while working. Wash thoroughly after handling. Keep absolute tidiness at the working place. Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.
Conditions for safe storage, including any incompatibilities:	Temperatures between + 5 °C and + 30 °C.

8. Exposure controls / personal protection

Controls parameters:

Occupational Exposure Limits:

Hazardous components CAS-No.	GBZ 2.1-2019	ACGIH	NIOSH	OSHA
Silane, dichlorodimethyl-, reaction products with silica 68611-44-9	8 mg/m ³ PC-TWA Total dust.	3 mg/m ³ TWA Respirable particles. 10 mg/m ³ TWA Inhalable particles.	none	none

Biological Exposure Indices: no data available

Engineering controls: Ensure good ventilation/extraction.

Eye protection: Goggles which can be tightly sealed.
Protective eye equipment should conform to EN166.

Body protection: Suitable protective clothing
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

9. Physical and chemical properties

Physical state:	solid	Appearance:	transparent
Evaporation rate:	Not available.	Odor:	characteristic
pH:	Not applicable	Melting point:	Not available.
Boiling point:	Not available.	Density:	1.0 g/ml
Vapor density:	Not available.	Vapor pressure:	Not available.
Flash point:	> 93 °C (> 199.4 °F)	Ignition temperature:	Not available.
Lower explosive limit:	Not available.	Upper explosive limit:	Not available.
Solubility in water	Not available.	Viscosity:	100 - 1,000 Pa*s
Auto-ignition temperature:	Not available.	Flammability:	Not available.
Octanol / water distribution coefficient:	Not available.	Decomposition temperature:	Not available.
VOC:	Bulk adhesive Modified silane Interior Decoration <= 50 g/kg, GB 33372-2020 Limit of volatile organic compounds content in adhesive		

10. Stability and reactivity

Reactivity: None if used for intended purpose.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None if used properly.

Conditions to avoid: None if used for intended purpose.

Incompatible materials: None if used properly.

Hazardous decomposition products: Evolves methanol during cure.

11. Toxicological information

General toxicological information:

No laboratory animal data available.

Acute oral toxicity:

Trimethoxyvinylsilane 2768-02-7	Value type	LD50
	Value	6,899 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
tebuconazole 107534-96-3	Value type	LD 50
	Value	625 mg/kg
	Species	Dog
	Method	
tebuconazole 107534-96-3	Value type	LD 50
	Value	1,615 mg/kg
	Species	Mouse
	Method	
tebuconazole 107534-96-3	Value type	LD 50
	Value	625 mg/kg
	Species	Sheep
	Method	
tebuconazole 107534-96-3	Value type	LD 50
	Value	> 5,000 mg/kg
	Species	Rat
	Method	
tebuconazole 107534-96-3	Value type	LD 50
	Value	> 1,000 mg/kg
	Species	Rabbit
	Method	
tebuconazole 107534-96-3	Value type	LD50
	Value	1,700 mg/kg
	Species	rat
	Method	not specified
Diocetyl tin dilaurate 3648-18-8	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)

Acute dermal toxicity:

Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]- 216597-12-5	Value type	LD50
	Value	> 3,460 - 4,000 mg/kg
	Species	rabbit
	Method	not specified
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]- 216597-12-5	Value type	Acute toxicity estimate (ATE)
	Value	3,461 mg/kg
	Species	
	Method	Expert judgement
Trimethoxyvinylsilane 2768-02-7	Value type	LD50
	Value	3,158 mg/kg
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
tebuconazole 107534-96-3	Value type	LD 50
	Value	> 5,000 mg/kg
	Species	Rat
	Method	
tebuconazole 107534-96-3	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat

	Method	not specified
Dioctyltin dilaurate 3648-18-8	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]- 216597-12-5	Value type	LC50
	Value	16.79 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]- 216597-12-5	Value type	Acute toxicity estimate (ATE)
	Value	16.79 mg/l
	Exposure time	4 h
	Species	
	Method	Expert judgement
Trimethoxyvinylsilane 2768-02-7	Value type	LC 50
	Value	2773 ppm
	Exposure time	4 h
	Species	Rat
	Method	
Trimethoxyvinylsilane 2768-02-7	Value type	LC50
	Value	16.8 mg/l
	Exposure time	4 h
	Species	rat
	Method	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)
tebuconazole 107534-96-3	Value type	LC50
	Value	> 5,093 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation:

Trimethoxyvinylsilane 2768-02-7	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	other guideline:

Serious eye damage/irritation:

Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]- 216597-12-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Trimethoxyvinylsilane 2768-02-7	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Dioctyltin dilaurate 3648-18-8	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]-216597-12-5	Result	not sensitising
	Test type	Skin sensitisation
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
Trimethoxyvinylsilane 2768-02-7	Result	Sub-Category 1B (sensitising)
	Test type	Buehler test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]-216597-12-5	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	not specified
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]-216597-12-5	Result	positive
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	not specified
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]-216597-12-5	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	not specified
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Trimethoxyvinylsilane 2768-02-7	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Trimethoxyvinylsilane 2768-02-7	Result	positive
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Trimethoxyvinylsilane 2768-02-7	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Trimethoxyvinylsilane 2768-02-7	Result	
	Type of study / Route of administration	
	Metabolic activation / Exposure time	
	Method	
Trimethoxyvinylsilane 2768-02-7	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
	Method	other guideline:

Carcinogenicity

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Trimethoxyvinylsilane 2768-02-7	NOAEL 62.5 mg/kg	oral: gavage	42d daily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Trimethoxyvinylsilane 2768-02-7	NOAEL 0.605 mg/l	inhalation: vapour	5 days/week for 14 weeks 6 hours/day	rat	not specified
Trimethoxyvinylsilane 2768-02-7	NOAEL 50 mg/kg	oral: gavage	28 d daily	rat	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
Diocetyl tin dilaurate 3648-18-8	NOAEL 0.3 - 0.4 mg/kg	oral: feed	28 d 28 d/daily (ad libitum)	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard:

No data available.

12. Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

Toxicity:

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Trimethoxyvinylsilane 2768-02-7	LC50	191 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
tebuconazole 107534-96-3	LC50	4.4 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Diocetyl tin dilaurate 3648-18-8	LC50	Toxicity > Water solubility	96 h		OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]- 216597-12-5	EC50	> 100 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Trimethoxyvinylsilane 2768-02-7	EC50	168.7 mg/l	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
tebuconazole 107534-96-3	EC50	2.79 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Diocetyl tin dilaurate 3648-18-8	EC50	Toxicity > Water solubility	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Trimethoxyvinylsilane 2768-02-7	NOEC	28.1 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
tebuconazole 107534-96-3	NOEC	0.01 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]-216597-12-5	EC50	> 100 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Trimethoxyvinylsilane 2768-02-7	EC50	> 957 mg/l	72 h	Desmodesmus subspicatus	EU Method C.3 (Algal Inhibition test)
Trimethoxyvinylsilane 2768-02-7	NOEC	957 mg/l	72 h	Desmodesmus subspicatus	EU Method C.3 (Algal Inhibition test)
tebuconazole 107534-96-3	IC50	3.8 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Diocetyl tin dilaurate 3648-18-8	NOEC	Toxicity > Water solubility	72 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Trimethoxyvinylsilane 2768-02-7	EC50	> 100 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
tebuconazole 107534-96-3	EC50	> 10,000 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability

Hazardous components CAS-No.	Result	Test type	Degradability	Exposure time	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]-w-[[[3-(trimethoxysilyl)propyl]amino]carbonyl]oxy]-216597-12-5	not readily biodegradable.	aerobic	> 0 - < 60 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Trimethoxyvinylsilane 2768-02-7	not readily biodegradable.	aerobic	51 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
tebuconazole 107534-96-3	not readily biodegradable.	aerobic	20 %	28 d	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Diocetyl tin dilaurate 3648-18-8	not readily biodegradable.	aerobic	1.9 %	28 day	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential

Hazardous components CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
tebuconazole 107534-96-3	78			not specified	not specified
Dioctyltin dilaurate 3648-18-8	< 100	30 day		Salmo irideus	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)

Mobility in soil:

Hazardous components CAS-No.	LogPow	Temperature	Method
tebuconazole 107534-96-3	3.7		not specified
Dioctyltin dilaurate 3648-18-8	14.56		not specified

Endocrine disrupting properties

No data available.

Other adverse effects

No data available.

13. Disposal considerations

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

14. Transport information

Road transport CN_DG:

Not dangerous goods

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

Notice For Transportation:

Transport according to local and national regulations. Ensure containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when transported.

15. Regulatory information

The following laws and regulations lay down provisions in terms of chemicals safety use, storage, transportation, loading/unloading, classification as well as symbol.

“Law of the People's Republic of China on Work Safety”.

Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases”.

“Law of the People's Republic of China on environmental protection”.

“Regulation on the Safety Management of Hazardous Chemicals”.

“Regulations on License to Work Safety”.

16. Other information

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Others: **The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H333 May be harmful if inhaled.

H360 May damage fertility or the unborn child.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.