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

Pattex Alkoxy Sealant AAM PLUS-W24*300ml

Material No.: 2925102
V001.4
Revision: 20.02.2025
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1. Identification of the substance/preparation and of the company/undertaking

Product name: **Pattex Alkoxy Sealant AAM PLUS-W24*300ml**

Intended use: Silicone sealant

Manufacturer/Importer/Distributor Representative Company

Henkel Adhesive Technology (Shanghai) Co., Ltd.
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2. Hazards identification

EMERGENCY OVERVIEW:
white, alcohol-like, solid, May cause an allergic skin reaction.Harmful to aquatic life.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):

Hazard Class	Hazard Category
Skin sensitizer	Category 1
Acute hazards to the aquatic environment	Category 3
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.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
Trimethoxyvinylsilane 2768-02-7	1- < 10 %	Flammable liquids 3 H226 Acute toxicity 4; Inhalation H332 Acute toxicity 5; Dermal H313 Skin sensitizer 1B H317
3-aminopropyltriethoxysilane 919-30-2	0.1- < 1 %	Flammable liquids 4 H227 Acute toxicity 4; Oral H302 Acute toxicity 5; Dermal H313 Skin corrosion/irritation 1B H314 Skin sensitizer 1B H317
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	0.1- < 0.25 %	Acute toxicity 5; Oral H303 Skin corrosion/irritation 1B H314 Skin sensitizer 1 H317 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
octamethylcyclotetrasiloxane 556-67-2	0.025- < 0.1 %	Flammable liquids 3 H226 Toxic to reproduction 2 H361 Chronic hazards to the aquatic environment 1 H410

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.
Obtain medical attention if irritation persists.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Ingestion:	Do not induce vomiting. 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
Fire-fighting method:	Cool endangered containers with water spray jet.
Special hazards arising from the substance or mixture:	Formaldehyde Silica fume
Special protective actions for fire-fighters:	Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Avoid contact with skin and eyes.
Environmental precautions:	Do not let product enter drains.
Methods and materials for containment and cleaning up:	Scrape up as much material as possible. Ensure adequate ventilation. Store in a partly filled, closed container until disposal.

7. Handling and storage

Precautions for safe handling:	Use only in well-ventilated areas. Vapours should be extracted to avoid inhalation.
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
Silica, amorphous, fumed, crystal-free 112945-52-5	8 mg/m3PC-TWA Total dust.	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	none	none
Titanium dioxide 13463-67-7	8 mg/m3PC-TWA Total dust.	0.2 mg/m3 TWA Respirable nanoscale particles 2.5 mg/m3 TWA Respirable finescale particles	none	none

Biological Exposure Indices: no data available

Engineering controls: Ensure good ventilation/extraction.

Respiratory protection: Use only in well-ventilated areas.

Eye protection: Wear protective glasses.

Body protection: Wear suitable protective clothing.
Protective clothing that covers arms and legs.

Hand protection: The use of chemical resistant gloves such as Nitrile is recommended.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

9. Physical and chemical properties

Physical state:	solid	Appearance:	white
Evaporation rate:	Not available.	Odor:	alcohol-like
pH:	Not applicable	Melting point:	Not available.
Boiling point:	Not available.	Density:	1.02 g/cm3
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:	Not available.
Auto-ignition temperature:	Not available.	Flammability:	Not available.
Octanol / water distribution coefficient:	Not applicable, Mixture	Decomposition temperature:	Not available.

VOC:	Bulk adhesive Silicone Interior Decoration <= 50 g/kg, GB 33372-2020 Limit of volatile organic compounds content in adhesive

10. Stability and reactivity

Reactivity:	Polymerises in presence of water.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None if used properly.
Conditions to avoid:	Stable Exposure to air or moisture over prolonged periods.
Incompatible materials:	None if used properly.
Hazardous decomposition products:	Methanol is liberated slowly upon exposure to moisture.

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)
3-aminopropyltriethoxysilane 919-30-2	Value type	LD50
	Value	1,457 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	Value type	LD50
	Value	4,267 - 4,732 mg/kg
	Species	rat
	Method	not specified
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	Value type	Acute toxicity estimate (ATE)
	Value	4,267 mg/kg
	Species	
	Method	Expert judgement
octamethylcyclotetrasiloxane 556-67-2	Value type	LD 50
	Value	> 4,800 mg/kg
	Species	Rat
	Method	
octamethylcyclotetrasiloxane 556-67-2	Value type	LD50
	Value	> 4,800 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

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)
3-aminopropyltriethoxysilane 919-30-2	Value type	LD50
	Value	4,076 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	not specified
octamethylcyclotetrasiloxane 556-67-2	Value type	LD 50
	Value	> 2,000 mg/kg
	Species	Rat
	Method	
octamethylcyclotetrasiloxane 556-67-2	Value type	LD50
	Value	> 2,375 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
octamethylcyclotetrasiloxane 556-67-2	Value type	LD 50
	Value	> 4,640 mg/kg
	Species	Rabbit
	Method	

Acute inhalative toxicity:

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)
3-aminopropyltriethoxysilane 919-30-2	Value type	LC 50
	Value	> 5 ppm
	Exposure time	6 h
	Species	Rat
	Method	
3-aminopropyltriethoxysilane 919-30-2	Value type	LC50
	Value	> 7.35 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
3-aminopropyltriethoxysilane 919-30-2	Value type	LC 50
	Value	> 16 ppm
	Exposure time	6 h
	Species	Rat
	Method	
3-aminopropyltriethoxysilane 919-30-2	Value type	LC 50
	Value	> 7.35 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
octamethylcyclotetrasiloxane 556-67-2	Value type	LC 50
	Value	> 17.6 mg/l
	Exposure time	1 h
	Species	Rat
	Method	
octamethylcyclotetrasiloxane 556-67-2	Value type	LC50
	Value	36 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
octamethylcyclotetrasiloxane 556-67-2	Value type	LC 50
	Value	36 mg/l
	Exposure time	4 h
	Species	Rat
	Method	

Skin corrosion/irritation:

Trimethoxyvinylsilane 2768-02-7	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	other guideline:
3-aminopropyltriethoxysilane 919-30-2	Result	corrosive
	Exposure time	1 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	Result	corrosive
	Exposure time	4 h
	Species	
	Method	not specified
octamethylcyclotetrasiloxane 556-67-2	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Trimethoxyvinylsilane 2768-02-7	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
3-aminopropyltriethoxysilane 919-30-2	Result	highly irritating
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)
octamethylcyclotetrasiloxane 556-67-2	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Trimethoxyvinylsilane 2768-02-7	Result	Sub-Category 1B (sensitising)
	Test type	Buehler test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
3-aminopropyltriethoxysilane 919-30-2	Result	Sub-Category 1B (sensitising)
	Test type	Buehler test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	Result	sensitising
	Test type	
	Species	
	Method	not specified
octamethylcyclotetrasiloxane 556-67-2	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

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:
3-aminopropyltriethoxysilane 919-30-2	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)
3-aminopropyltriethoxysilane 919-30-2	Result	negative
	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)
3-aminopropyltriethoxysilane 919-30-2	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)
3-aminopropyltriethoxysilane 919-30-2	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	Result	negative
	Type of study / Route of administration	
	Metabolic activation / Exposure time	
	Species	
	Method	not specified
octamethylcyclotetrasiloxane 556-67-2	Result	negative
	Type of study / Route of administration	bacterial gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
octamethylcyclotetrasiloxane 556-67-2	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
octamethylcyclotetrasiloxane 556-67-2	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
octamethylcyclotetrasiloxane 556-67-2	Result	negative
	Type of study / Route of administration	inhalation
	Metabolic activation / Exposure time	
	Species	rat
	Method	equivalent or similar to OECD Guideline 475

		(Mammalian Bone Marrow Chromosome Aberration Test)
octamethylcyclotetrasiloxane 556-67-2	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	rat
	Method	equivalent or similar to OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)

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)
3-aminopropyltriethoxysilane 919-30-2	NOAEL 200 mg/kg	oral: gavage	90 d daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	NOAEL 15 mg/kg		90 d daily	rat	not specified
octamethylcyclotetrasiloxane 556-67-2	LOAEL 35 ppm	inhalation	6 h nose only inhalation 5 days/week for 13 weeks	rat	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)
octamethylcyclotetrasiloxane 556-67-2	NOAEL 960 mg/kg	dermal	3 w 5 d/w	rabbit	equivalent or similar to OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

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)
3-aminopropyltriethoxysilane 919-30-2	LC50	> 934 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	LC50	0.15 mg/l	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test)
octamethylcyclotetrasiloxane 556-67-2	NOEC	0.0044 mg/l	93 d	Salmo gairdneri (new name: Oncorhynchus mykiss)	EPA OPPTS 797.1600 (Fish Early Life Stage Toxicity Test)
octamethylcyclotetrasiloxane 556-67-2	LC50	Toxicity > Water solubility	96 h	Oncorhynchus mykiss	EPA OTS 797.1400 (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
Trimethoxyvinylsilane 2768-02-7	EC50	168.7 mg/l	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
3-aminopropyltriethoxysilane 919-30-2	EC50	331 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	EC50	0.093 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
octamethylcyclotetrasiloxane 556-67-2	EC50	Toxicity > Water solubility	48 h	Daphnia magna	EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids)

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)
octamethylcyclotetrasiloxane 556-67-2	NOEC	7.9 µg/l	21 d	Daphnia magna	EPA OTS 797.1330 (Daphnid Chronic Toxicity 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
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)
3-aminopropyltriethoxysilane 919-30-2	EC50	> 1,000 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
3-aminopropyltriethoxysilane 919-30-2	NOEC	1.3 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	ErC50	0.45 mg/l	72 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	not specified
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	NOEC	0.099 mg/l	72 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	not specified
octamethylcyclotetrasiloxane 556-67-2	EC50	Toxicity > Water solubility	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	EPA OTS 797.1050 (Algal Toxicity, Tiers I and II)
octamethylcyclotetrasiloxane 556-67-2	EC10	0.022 mg/l	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	EPA OTS 797.1050 (Algal Toxicity, Tiers I and II)

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)
3-aminopropyltriethoxysilane 919-30-2	EC10	13 mg/l	5 h	not specified	other guideline:
octamethylcyclotetrasiloxane 556-67-2	EC50	Toxicity > Water solubility	3 h	activated sludge	ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)

Persistence and degradability

Hazardous components CAS-No.	Result	Test type	Degradability	Exposure time	Method
Trimethoxyvinylsilane 2768-02-7	not readily biodegradable.	aerobic	51 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
3-aminopropyltriethoxysilane 919-30-2	not readily biodegradable.	aerobic	67 %	28 d	EU Method C.4-A (Determination of the "Ready" BiodegradabilityDissolved Organic Carbon (DOC) Die-Away Test)
octamethylcyclotetrasiloxane 556-67-2	not readily biodegradable.	aerobic	3.7 %	29 d	OECD Guideline 310 (Ready BiodegradabilityCO2 in Sealed Vessels (Headspace Test)

Bioaccumulative potential

No data available.

Hazardous components CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
3-aminopropyltriethoxysilane 919-30-2		8 Weeks	25 °C	Cyprinus carpio	
octamethylcyclotetrasiloxane 556-67-2		28 d		Pimephales promelas	
octamethylcyclotetrasiloxane 556-67-2	12,400	28 d		Pimephales promelas	EPA OTS 797.1520 (Fish Bioconcentration Test-Rainbow Trout)

Mobility in soil:

Cured adhesives are immobile.

Hazardous components CAS-No.	LogPow	Temperature	Method
2-n-butyl-benzo[d]isothiazol-3-one 4299-07-4	2.86		not specified
octamethylcyclotetrasiloxane 556-67-2	6.98	21.7 °C	other guideline:

Endocrine disrupting properties

No data available.

Other adverse effects
Not 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".

China Inventory of Existing Chemicals: All components are listed or are exempt from Inventory of Existing Chemical Substances in China.

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.
H227 Combustible liquid.
H302 Harmful if swallowed.
H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.