



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
GB/T 16483-2008, GB/T 17519-2013

MAX285
Revision Number 1

Revision date 14-Aug-2025
Supersedes date 14-Aug-2025

1. Identification

Product identifier

Product Name MAX285
Pure substance/mixture Mixture

Details of the supplier of the safety data sheet

Responsible Party

Bostik (Shanghai) Management Co., Ltd
Building 1, No.968 Guanghai Road, Minhang District
Shanghai, China
Tel: 021-60763101
Fax: 021-60763133

See section 16 for more information.

E-mail address SDS.AP@Bostik.com

Emergency telephone number

Emergency telephone number National contact
0532-8388 9090 (China only)

Recommended use of the chemical and restrictions on use

Recommended use Sealant
Restrictions on use No information available

2. Hazard(s) identification

Emergency Overview

May cause an allergic skin reaction

Appearance Paste	Physical state Paste / Gel	Odor Slight
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Classification of the substance or mixture

Skin sensitization	Category 1
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Label elements



Signal word Warning

Hazard statements

H317 - May cause an allergic skin reaction

Precautionary statements

Prevention

P272 - Contaminated work clothing should not be allowed out of the workplace

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P261 - Avoid breathing dust, fume, gas, mist, vapors and spray
P280 - Wear protective gloves

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

Disposal

P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable

Physical and chemical hazards

Not applicable.

Health hazards

Immediate Health Effects: Allergic reactions (sensitizer). Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.
Chronic effects: Not applicable.

Environmental hazards

Not applicable

Other hazards which do not result in classification

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%
Trimethoxyvinylsilane	2768-02-7	5 - <10
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	0.1 - <1
1-Propanamine, 3-(triethoxysilyl)-	919-30-2	0.1 - <1

*** Any remaining ingredients are not hazardous

4. First-aid measures

Description of necessary first aid measures

General advice	Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Ingestion	Small amounts of toxic methanol are released by hydrolysis. Call a physician immediately. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water.

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Most important symptoms/effects, acute and delayed

<u>Symptoms</u>	None known.
<u>Effects of Exposure</u>	No information available.
<u>For emergency responders</u>	No information available.
<u>Note to physicians</u>	Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released, when the product is exposed to moisture or water. Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media Full water jet.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous combustion products Carbon oxides. Carbon monoxide. Carbon dioxide (CO₂). Silicon dioxide.

Special protective actions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Precautions to prevent secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections See section 8 for more information. See section 13 for more information.

7. Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. See Section 8 for information on appropriate personal protective equipment

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Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from food, drink and animal feeding stuffs.

8. Exposure Controls/Personal Protection

Occupational exposure limits

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.

Chemical name	China	ACGIH TLV
Ethanol 64-17-5		STEL: 1000 ppm
Methyl alcohol 67-56-1	TWA: 25 mg/m ³ ; STEL: 50 mg/m ³ ; Sk	TWA: 200 ppm STEL: 250 ppm pSk

Biological occupational exposure limits

No data available

Monitoring and observation processes

No applicable information was found.

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves. Recommended Use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and body protection

None under normal use conditions.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.

Recommended filter type:

Organic gases and vapors filter conforming to EN 14387. White. Brown.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Paste
Color	No information available
Physical state	Paste / Gel
Odor	Slight
Odor threshold	No information available

Property

Property	Values
pH	No data available
pH (as aqueous solution)	No data available

Remarks • Method

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Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	> 120 °C	
Evaporation rate	No data available	
Flammability	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Relative density	1.4	
Water solubility	Reacts with water	Reacts with water
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Additional information		
Solid content (%)	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

10. Stability and Reactivity

Reactivity	Product cures with moisture.
Stability	Stable under normal conditions.
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

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Ingestion Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

No information available

The following ATE values have been calculated for the mixture

ATEmix (oral)	>5000 mg/kg
ATEmix (dermal)	>5000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/L
ATEmix (inhalation-vapor)	129.70 mg/L

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trimethoxyvinylsilane	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
N-(3-(trimethoxysilyl)propyl)ethylenediamine	=2295 mg/kg (Rattus)	>2000 mg/Kg (Rattus)	LC50 4H (Aerosol)1.5 - 2.44 mg/L air
1-Propanamine, 3-(triethoxysilyl)-	LD50 = 1490 mg/kg (Rattus, female) EPA OTS 798.1175 LD50 = 2690 mg/kg (Rattus, male) EPA OTS 798.1175	LD50 = 4076 mg/kg (Oryctolagus cuniculus) EPA OTS 798.1100	LC50 >144 mg/L (6h) Rattus (Vapour)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Component Information					
Trimethoxyvinylsilane (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit				Mild skin irritant

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Component Information					
Trimethoxyvinylsilane (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		24 hours	Non-irritant

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			Eye Damage

Respiratory or skin sensitization May cause an allergic skin reaction.

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Germ cell mutagenicity Based on available data, the classification criteria are not met.

Component Information		
Trimethoxyvinylsilane (2768-02-7)		
Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro	Not mutagenic

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)		
Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	Mammalian cells in vitro	Negative
OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes	Mammalian cells in vitro	Negative

Carcinogenicity Based on available data, the classification criteria are not met.

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

Component Information		
Trimethoxyvinylsilane (2768-02-7)		
Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Not Classifiable

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)		
Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat Oral	NOAEL >500 mg/Kg

Specific target organ toxicity (single exposure) Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) Based on available data, the classification criteria are not met.

Component Information					
Trimethoxyvinylsilane (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 413: Subchronic Inhalation Toxicity: 90-day Study	Rat	Inhalation vapor		90 days	0.058 NOAEL

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Subacute oral toxicity gavage		28 days	NOAEL >500 mg/kg

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Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity Based on available data, the classification criteria are not met.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Trimethoxyvinylsilane	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)	EC50(48hr) 168.7mg/l (Daphnia magna)
N-(3-(trimethoxysilyl)propyl)ethylene diamine	-	LC50 (96H) =597 mg/L (Danio rerio)Semi-static	EC50 (48h) =81mg/L Daphnia magna Static
1-Propanamine, 3-(triethoxysilyl)-	EC50 (72h) >1000 mg/L Green algae (desmodesmus subspicatus) (OECD TG 201)	LC50 (96h) >934 mg/L (Brachydanio rerio) (OECD TG 203)	EC50 (48h) =331 mg/L Daphnia magna (OECD TG 202)

Persistence and degradability No information available.

Trimethoxyvinylsilane (2768-02-7)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	BOD	51 % Not readily biodegradable

Bioaccumulative potential

Component Information

Chemical name	Partition coefficient
Trimethoxyvinylsilane	1.1
N-(3-(trimethoxysilyl)propyl)ethylenediamine	-0.3
1-Propanamine, 3-(triethoxysilyl)-	1.7

Mobility in soil No information available.

Chemical name	PBT and vPvB assessment
Trimethoxyvinylsilane 2768-02-7	Not PBT/vPvB
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	Not PBT/vPvB
1-Propanamine, 3-(triethoxysilyl)- 919-30-2	Not PBT/vPvB

13. Disposal considerations

Waste chemicals Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

14. Transport information

IMDG Not regulated

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

IATA Not regulated

China JT/T 617 Not regulated

ADR Not regulated

Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory Information

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

National regulations

SDS and Label prepared in compliance with the following regulations:

Decree No. 591 of the State Council of the People's Republic of China

General Rule for classification and hazard communication of chemicals, GB 13690

Series standards of Safety rules for classification, precautionary labeling and precautionary statements of chemicals, GB 30000.2-GB 30000.29

General rules for preparation of precautionary label for chemicals, GB 15258

Safety data sheet for chemical products—Content and order of sections, GB/T 16483 GB/T17519

This product contain following new chemicals

Chemical name	Registration number(s)
Proprietary	B1A321210436

Regulations on the Control over Safety of Hazardous Chemicals

Catalog of Hazardous Chemicals

Not applicable

List of hazardous chemicals under priority management

Not applicable

Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used

Inventory of highly toxic goods

Not applicable

GB33372-2020

Not applicable

Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

Not applicable

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

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The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Europe

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Directive 2011/65/EU (EU RoHS 2), as amended by the Delegated Directive (EU) 2015/863 (EU RoHS 3)

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

16. Other Information

Local Contacts

Bostik Malaysia Sdn Bhd. Lot 112 & 113, Kawasan Perindustrian senawang, seremban, negeri sembilan, Malaysia Tel: 606-6789788 Fax: 606-6789766	Bostik Asia Pacific 1 Science Park Road, #04-01/05 West Wing, The Capricorn, Singapore Science Park II, Singapore 117528 Tel: +65-6419-9161 Fax: +65-6419-9150	Bostik (Thailand) Co., Ltd. Blessing Will Building, 6th Floor, Room 601 No.24, Srinagarindra Road, Nong Bon, Prawet, Bangkok 10250 Thailand Tel : 66 (0) 2361 6460-4 Fax : 66 (0) 2361 6469
Bostik Philippines, Inc. 35/F Raffles Corporate Center, F. Ortigas Jr. Road Ortigas Business Center, Pasig city, Philippines Plant Address: Sitio Harangan Brgy. Plaza Aldea Tanay Rizal,1980 Tel: 632-900-5656 Fax: 632-900-5622	Bostik Indonesia Setiabudi Atrium Building, Level 2, Suite 203 A Jl. HR Rasuna Said Jakarta Indonesia 12920 Tel: 62 21 521 0404 Fax: 62 21 521 0554	Bostik Vietnam Company Limited 18th Floor, Becamex Tower 230 Binh Duong Avenue Phu Loi Ward, Ho Chi Minh City Vietnam Phone: + 84 274 3 765 105 Fax: + 84 274 3 765 109
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Revision Note ***Indicates updated data since last publication.

Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value

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Sk*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
United Nations World Health Organization (WHO)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet