



HT S25A

ANTI-FUNGAL SILICONE SEALANT

1. Product and Company Identification

Product Name : HT S25A
Company Identification : TWO NINE SIX O Trading Pte Ltd
 21 Tuas West Avenue, Singapore 638435
Local Emergency Contact : +65 6267 1300

2. Hazards Identification

GHS Classification:

Skin corrosion / irritation : Category 2
 Serious eye damage / eye irritation : Category 2
 Skin sensitization : Category 1

GHS label elements and precautionary statements:

Hazard pictograms :



Signal Word : Warning
Hazard Statements : H315: Causes skin irritation
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
Precautionary Statements : Prevention:
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P264 Wash skin thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing. Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification:

None known.

3. Composition Information

Substance / Mixture : Mixture
Chemical Nature : Silicone Sealant

Hazardous Components:

Chemical Name	CAS No.	Concentration (% w/w)
Siloxanes and Silicones, di-Me, hydroxy-terminated (also as Dimethyl Polysiloxane)	70131-67-8	55-65
C13-15 alkane	64742-46-7	15-20
Propiconazole	60207-90-1	0.1-0.2
Aquafil (also as Silica, Amorphous, Fumed, Crystalline free)	112945-52-5	8-15
Aminoethyl-aminopropyl-trimethoxysilane	1760-24-3	0.5-0.8



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4. First Aid Measures

General Advice	: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
Eye Contact	: Immediately flush eyes with running water for at least 20 minutes. Seek medical treatment.
Skin Contact	: Immediately wash out with soap and running water for at least 20 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical treatment, depending on the symptoms.
Inhalation	: Remove to fresh air. Rest in fresh air and seek medical treatment, depending on the symptoms.
Ingestion	: DO NOT induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
Most important symptoms and effects both acute and delayed	: May cause an allergic skin reaction. Causes serious eye irritation.
Protection of first-aiders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
Notes to physician	: Treat symptomatically and supportively.

5. Fire Fighting Measures

Extinguishing Media	: Water spray Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Unsuitable extinguishing media	: None known
Specific hazards during fire-fighting	: Exposure to combustion products may be a hazard to health.
Hazardous combustion products	: Carbon oxides Silicon oxides Formaldehyde Nitrogen oxides (NO _x)
Specific extinguishing methods	: Evacuate area. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove sources of combustibles. Remove undamaged containers from fire area if it is safe to do so. Use water spray to cool unopened containers. The firefighting should be done from the windward side.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Steps to be Taken if Material is Released or Spilled	: Evacuate people on the leeward. Keep people away from the area. Remove sources of ignition. Wear proper protective equipment when in work. Work from the windward side. Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount is small.



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Environmental precautions : Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

7. Handling and Storage

Handling : Wear eye, hand and respiratory protection when in handling.
Avoid any source of ignition due to flammability.
Ground equipment due expected sensitivity to static discharge.
Use in a well-ventilated area to avoid breathing vapor.
Use immediately after seal is opened.
Protect from moisture. Be careful that moisture vapour DO NOT mix in this product, because this is cured by hydrolysis with moisture in air.

Materials to avoid : Do not store with the following product types:
Strong oxidizing agents

Storage : Keep in properly labelled containers.
Store in a dark, cool place indoors, with container tightly closed.

Shelf life : Use within Shelf life begins from date of manufacture.

8. Exposure Controls / Personal Protection

Administrative Exposure Limit : No data

**Occupational Exposure Limit by Japanese Ministry of Labor
(Japanese Industrial Health Society (1996))** : No data

ACGIH TLV(1997) : No data

Equipment Measure : Well-ventilated area
Eyewash station
Practice normal industrial hygiene i.e., DO NOT eat, drink or smoke when using

Inhalation Protection : Gas mask for organic gas

Eye and Face Protection : Safety Glass / Goggles

Protective Gloves : Chemical-resistant gloves

Protective Clothes : Safety shoes / boots and impervious protective clothing
i.e., aprons, gloves, etc.

9. Physical and Chemical Properties

Physical State : Paste

Color : White, Black and Clear

Odor : Faint odour

pH : No data available

Specific Gravity (Water = 1) : 1.0 ± 0.1 (Clear)

Boiling Point : No data available

Melting point / Freezing Point : No data available

Vapor Pressure : No data available

Volatility : No data available

Flash Point : No data available

Evaporation rate : Not applicable

Combustibility : No data available

Self-ignition : No data available

Upper explosive limit : No data available

Lower explosive limit : No data available

Auto-ignition temperature : No data available



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Self-Reactivity & Explosibility: No data available
Dust Explosivity: No data available
Decomposition temperature: No data available
Water solubility: No data available

10. Stability and Reactivity

Stability and Reactivity: The substance or mixture is substantially stable under normal conditions of use and storage.
 Hazardous decomposition products will be formed upon contact with water or humid air.
 Hazardous decomposition products will be formed at elevated temperatures.

Conditions to Avoid: Exposure to moisture, friction, heat, spark and flame.
 Use at elevated temperatures may form highly hazardous compounds.

Materials to Avoid: Combustible substances and reducing substances.

Hazardous Decomposition Products: Corrosive / toxic fumes
 Irritating, corrosive and toxic gases

11. Toxicological Information

Exposure routes	:	Skin contact Ingestion Eye contact Inhalation

Acute toxicity	Oral	Product	:	No data available
		Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	LD50: 15400 mg/kg (Rat)
		C13-15 alkane	:	No data
		Propiconazole	:	LD50: 1517 mg/kg (Rat)
		Aquafil	:	LD50: 3160 mg/kg (Rat)
		Aminoethyl-aminopropyl-trimethoxysilane	:	LD50: 1897 mg/kg bw (Rat)
	Percutaneous	Product	:	No data available
		Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	LD50: 16 mL/kg (Rabbit)
		C13-15 alkane	:	No data
		Propiconazole	:	LD50: 4 gm/kg (Rabbit)
		Aquafil	:	No data
		Aminoethyl-aminopropyl-trimethoxysilane	:	LD50: 16 mL/kg (Rabbit)
	Inhalation	Product	:	No data available
		Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	LC50: 8750 mg/m3 (Rat)
		C13-15 alkane	:	LC50: 1.72 mg/L air (Rat)
		Propiconazole	:	LC50: 1264 mg/m3 (Rat)
		Aquafil	:	No data
		Aminoethyl-aminopropyl-trimethoxysilane	:	No data



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Skin corrosive or irritant	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Severe eye damage or irritation	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Respiratory sensitization	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Skin sensitization	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Carcinogenicity	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Germ cell mutagenicity	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Reproductive toxicity	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data



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Specific target organ toxicity (single exposure)	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Specific target organ toxicity (repeated exposure)	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Inhalation hazard	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data

12. Ecological Information

Ecotoxicity	Fish	Product	:	No data available
		Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
		C13-15 alkane	:	No data
		Propiconazole	:	No data
		Aquafil	:	No data
		Aminoethyl-aminopropyl-trimethoxysilane	:	LC50: 597 mg/L (96h)
	Shellfish	Product	:	No data available
		Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
		C13-15 alkane	:	No data
		Propiconazole	:	No data
		Aquafil	:	No data
		Aminoethyl-aminopropyl-trimethoxysilane	:	EC50 81mg/L (48h)
	Algae	Product	:	No data available
		Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
		C13-15 alkane	:	EL50 1.8 mg/L (72h)
		Propiconazole	:	No data
		Aquafil	:	No data
		Aminoethyl-aminopropyl-trimethoxysilane	:	NOEC 1.6 mg/L (96h)



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Persistence	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	3.72 logPow(logP)
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Degradability	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Bioaccumulation Enrichment	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Bioaccumulation Biodegradability	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data
Soil mobility	Product	:	No data available
	Siloxanes and Silicones, di-Me, hydroxy-terminated:	:	No data
	C13-15 alkane	:	No data
	Propiconazole	:	No data
	Aquafil	:	No data
	Aminoethyl-aminopropyl-trimethoxysilane	:	No data

- No data available on other harmful effects.

13. Disposal Considerations

Disposal methods

Waste from residues

Contaminated packaging

- : Dispose of in accordance with local regulations.
- : Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.



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Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Waste packaging should be recycled.

Incineration should be made in approved chemical incinerator in accordance with regulations, or bury after cure 15cm pieces are made.

Silica particulates are formed on incineration.

This material and its container must be disposed of in a safe way.

Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

Empty container or liners may retain some product residues.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

External Act:

The substance is not regarded as a dangerous material for ship and air transportation.

UN Number (UN No.)	UN transport hazard classification not available
UN Proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Packing Group	Not applicable
Environmental hazards	No data

- Special safety measures that the user needs or needs to know about transportation:
 - Emergency measures in case of fire: Refer to Section 5 (Fire Fighting Measures)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable for product as supplied.

15. Regulatory Information

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

No data

16. Other Information

Quotation Documents : No data

Precautions

This material is developed and manufactured for building and construction application only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, and possible residue-remaining in the body.

Any Other Precautions

Other (an address, and telephone and fax number for information, references). The information herein is made based on references, information and data available at present. It may be revised when new information is available. The description herein is for formal handling. For special applications, make safety provisions suitable to them prior to use.

Please read and understand the entire SDS, as there is important information throughout the document.

Revision: 12.22

Date of revision: 29-12-2022