

Safety Data Sheet
Staseal 5000B



SDS Revision: Version 1.4
SDS Revision Date: 12/12/2018

1. Identification

1.1. Product identifier

Product Identity Staseal 5000B
Alternate Names Staseal 5000B

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

Intended use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name STABOND CORPORATION
1722 W. 139th Street, GARDENA CA. 90249
Customer Service: STABOND CORPORATION (310) 380-6168 Mon. to Fri. 07:00 – 15:30 PT
Emergency Contact: CHEMTREC (800) 424-9300 24-hour

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Sens. 1;H317 May cause an allergic skin reaction.
Resp. Sens. 1;H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2;H351 Suspected of causing cancer.
STOT RE 2;H373 May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: (Not Available)

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H317 May cause an allergic skin reaction.
H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

[Prevention]:

- P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves / eye protection / face protection.
 P285 In case of inadequate ventilation wear respiratory protection.

[Response]:

- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
 P302+352 IF ON SKIN: Wash with plenty of soap and water.
 P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P308+313 IF exposed or concerned: Get medical advice / attention.
 P314 Get Medical advice / attention if you feel unwell.
 P321 Specific treatment (see information on this label).
 P331 Do NOT induce vomiting.
 P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
 P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.
 P363 Wash contaminated clothing before reuse.

[Storage]:

- P405 Store locked up.

[Disposal]:

- P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Oxirane,methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatob CAS Number: 0059675-67-1	25 - 50	Skin Sens. 1;H317 Resp. Sens. 1;H334	[1]
Calcium carbonate CAS Number: 0001317-65-3	25 - 50	Not Classified	[1][2]
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich CAS Number: 0068515-49-1	10 - 25	Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]
TALC (Mg3H2(SiO3)4) CAS Number: 0014807-96-6	1.0 - 10	Not Classified	[1][2]
Amorphous silica, hydrophobic CAS Number: 0067762-90-7	1.0 - 10	Not Classified	[1]
Solvent naphtha (petroleum), light aromatic CAS Number: 0064742-95-6	1.0 - 10	Asp. Tox. 1;H304	[1]
Diphenylmethanediisocyanate CAS Number: 0000101-68-8	1.0 - 10	Carc. 2;H351 Acute tox. 4;H332 STOT RE 2;H373	[1][2]

	Eye Irrit. 2;H319 STOT SE 3;H335 Skin Irrit. 2;H315 Resp. Sens. 1;H334 Skin Sens. 1;H317	
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[1] Substance classified with a health or environmental hazard.
 [2] Substance with a workplace exposure limit.
 [3] PBT-substance or vPvB-substance.
 *The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

- General** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
 Vapor and aerosols can irritate eyes, nose and respiratory passages. Severe overexposure can cause fluid buildup in lungs. MDI vapor can cause respiratory sensitization with asthma-like symptoms.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
 SKIN-skin sensitization and irritation may develop after repeated and/or prolonged contact with human skin.
 EYES-Contact will irritate human eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
 Skin contact may play a role in respiratory sensitization. Gloves should be worn at all times when working with this product.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
 Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion. Aspiration hazard – may enter lungs during swallowing or vomiting and cause lung damage. May cause signs of CNS depression such as dizziness, drowsiness etc.

HEALTH HAZARDS (ACUTE AND CHRONIC):
 Eye: May cause irritation with tearing.
 Skin: May cause skin irritation, temporary stain & allergic sensitivity.
 Ingestion: May cause irritation and corrosion on the mouth and stomach tissue.
 Inhalation: May cause irritation to upper respiratory tract and lungs, breathlessness, cough, respiratory sensitization.

CARCINOGENICITY: NTP? NO, IARC MONOGRAPHS? NO, OSHA REGULATED?
NO

This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
May aggravate existing lung and skin problems.

See section 2 for further details.

Inhalation

May cause allergy or asthma symptoms of breathing difficulties if inhaled.

Skin

May cause an allergic skin reaction.

5. Fire-fighting measures

5.1. Extinguishing media

Dry chemical, foam, carbon dioxide and water fog.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Isocyanate vapor and mist, CO₂, CO, NO, trace of hydrogen cyanide.

Avoid breathing dust / fume / gas / mist / vapors / spray.

Do not get in eyes, on skin, or on clothing.

5.3. Advice for fire-fighters

Down-wind personnel must be evacuated. Do not reseal contaminated containers as pressure build-up may rupture them.

Water contamination will produce Carbon dioxide. If exposed to intense heat or fire, cool with gross amounts of water.

Caution. Combustible. Do not enter confined spaces without full bunker gear. Firefighters must wear positive pressure self-contained breathing apparatus and full protective clothing to protect against isocyanate vapors.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Major: Evacuate and ventilate spill area. Prevent entry into water system. Wear full protective equipment.

Minor: Absorb with inert absorbent material.

Eliminate ignition sources. Soak up with noncombustible absorbent material. Remove absorbent material for proper disposal.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.

Examination of lung function should be carried out on a regular basis on persons applying this preparation.

Incompatible materials: Water, acid, base, alcohols, metal compounds, surface active materials.

Store indoors at 50-90 deg F. in original, unopened containers. Protect from atmospheric moisture. Replace outage with inert dry gas as nitrogen.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection**8.1. Control parameters****Exposure**

CAS No.	Ingredient	Source	Value
0000101-68-8	Diphenylmethanediisocyanate	OSHA	C 0.2 mg/m3 (0.02 ppm)
		ACGIH	TWA: 0.005 ppm Ceiling: 0.01 ppmSkin, S
		NIOSH	TWA 0.05 mg/m3 (0.005 ppm) C 0.2 mg/m3 (0.020 ppm) [10-minute]
		Supplier	No Established Limit
0001317-65-3	Calcium carbonate	OSHA	TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)
		ACGIH	TWA: 10 mg/m3 Ceiling: 20 mg/m3
		NIOSH	TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)
		Supplier	No Established Limit
0014807-96-6	TALC (Mg3H2(SiO3)4)	OSHA	TWA 20 mppcf
		ACGIH	Containing asbestos fibres TWA: 0.1 f/cc (K) A1, 1Containing no asbestos fibres TWA:2 mg/m3 (E) (respirable)
		NIOSH	TWA 2 mg/m3 (resp)
		Supplier	No Established Limit
0059675-67-1	Oxirane,methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatob	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0064742-95-6	Solvent naphtha (petroleum), light aromatic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0067762-90-7	Amorphous silica, hydrophobic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

		Supplier	No Established Limit
0068515-49-1	1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000101-68-8	Diphenylmethanediisocyanate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0001317-65-3	Calcium carbonate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0014807-96-6	TALC (Mg3H2(SiO3)4)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0059675-67-1	Oxirane,methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatob	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0064742-95-6	Solvent naphtha (petroleum), light aromatic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0067762-90-7	Amorphous silica, hydrophobic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068515-49-1	1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Atmospheric levels should be maintained below the exposure guideline. Use an approved, full-face, supplied air respirator or a NIOSH approved positive pressure, self-contained breathing apparatus if these levels are exceeded.

Eyes

Use safety glasses with side shields or chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

Skin

Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Use Neoprene, vinyl or nitrile rubber gloves.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Remove contaminated clothing. Wash skin and launder clothing before use. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	High Viscosity Paste
Odor	Mild Solvent
Odor threshold	Not Measured
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	320-350 F
Flash Point	141F
Evaporation rate (Ether = 1)	Slower than Ether
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1.0% Upper Explosive Limit: 7.0%
Vapor pressure (Pa)	Not Measured
Vapor Density	Heavier than air
Specific Gravity	1.3
Solubility in Water	Nil
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Coating V.O.C.	0.41 lb/gl (49 grams/liter)
Material V.O.C.	0.41 lb/gl (49 grams/liter)
Solubility in Water	Nil, reacts with water

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization: MAY OCCUR

In presence of strong bases, water or temp. over 160° C. Water contamination gives off CO₂, & may rupture containers.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Elevated temperatures, or contamination by incompatible materials.

10.5. Incompatible materials

Water, acid, base, alcohols, metal compounds, surface active materials.

10.6. Hazardous decomposition products

Isocyanate vapor and mist, CO₂, CO, NO, trace of hydrogen cyanide.

11. Toxicological information

Acute toxicity

Based upon animal testing, the C₉ aromatic hydrocarbon components (trimethylbenzenes and ethylmethylbenzenes) are presumed to cause fetal toxicity and/or decreased fetal and newborn weights if overexposure occurs during the early gestation period.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Oxirane,methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatob - (59675-67-1)	No data available	No data available	No data available	No data available	No data available
Calcium carbonate - (1317-65-3)	No data available	No data available	No data available	No data available	No data available
1,2-Benzenedicarboxylic acid, di-C ₉ -11-branched alkyl esters, C ₁₀ -rich - (68515-49-1)	No data available	No data available	No data available	No data available	No data available
TALC (Mg ₃ H ₂ (SiO ₃) ₄) - (14807-96-6)	No data available	No data available	No data available	No data available	No data available
Amorphous silica, hydrophobic - (67762-90-7)	1,000.00, Rat - Category: 4	2,000.00, Rat - Category: 4	No data available	No data available	No data available
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	6,800.00, Rat - Category: NA	3,400.00, Rabbit - Category: 5	No data available	No data available	No data available
Diphenylmethanediisocyanate - (101-68-8)	4,700.00, Rat - Category: 5	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	1	May cause allergy or asthma symptoms of breathing difficulties if inhaled.
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	2	Suspected of causing cancer.
Reproductive toxicity	---	Not Applicable

STOT-single exposure	---	Not Applicable
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Oxirane,methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatob - (59675-67-1)	Not Available	Not Available	Not Available
Calcium carbonate - (1317-65-3)	Not Available	Not Available	Not Available
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich - (68515-49-1)	Not Available	Not Available	Not Available
TALC (Mg3H2(SiO3)4) - (14807-96-6)	Not Available	Not Available	Not Available
Amorphous silica, hydrophobic - (67762-90-7)	Not Available	Not Available	Not Available
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
Diphenylmethanediisocyanate - (101-68-8)	Not Available	129.70, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification D2A

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs (lbs):
Diphenylmethanediisocyanate (5,000.00)

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
Diphenylmethanediisocyanate

Proposition 65 - Carcinogens (>0.0%):
TALC (Mg3H2(SiO3)4)

Proposition 65 - Developmental Toxins (>0.0%):
Diisodecyl phthalate
Methanol

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Diphenylmethanediisocyanate
 Calcium carbonate
 TALC (Mg₃H₂(SiO₃)₄)

Pennsylvania RTK Substances (>1%):

Diphenylmethanediisocyanate
 Calcium carbonate
 TALC (Mg₃H₂(SiO₃)₄)

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

SDS Revision History

Version 1.1	Initial SDS issued	2/19/2015
Version 1.2	Update to CA Proposition 65 data	5/13/2015
Version 1.3	Section 1.3 Change to Emergency Tele. Number	6/17/2015
Version 1.4	Section 1.3 Update to Emergency Tele. Number	12/12/2018

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DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH OTHER MATERIAL OR IN ANY OTHER PROCESS.

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