

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07.

Date of issue: 07/31/2025

Reviewed on 07/31/2025

1 Identification

- **Product identifier**
- **Trade name:** StormLock
- **Other means of identification**
- **Product Description:** Hybrid Elastomeric Adhesive / Sealant
- **Manufactured for TSF Supply**
- **Emergency telephone number:** (USA) +1-800-255-3924

* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Reproductive toxicity 1B

H360 May damage fertility or the unborn child.



GHS07

Skin irritation 2

H315 Causes skin irritation.

Eye irritation 2A

H319 Causes serious eye irritation.

Sensitization - skin 1

H317 May cause an allergic skin reaction.

Specific target organ toxicity (single exposure) 3 H335 May cause respiratory irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
 - Calcium carbonate [Limestone]
 - Trade Secret
 - trimethoxyvinylsilane
- **Hazard statements**
 - Causes skin irritation.
 - Causes serious eye irritation.
 - May cause an allergic skin reaction.
 - May damage fertility or the unborn child.
 - May cause respiratory irritation.

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Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

If on skin: Wash with plenty of water.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

44.5 % of the mixture consists of component(s) of unknown toxicity.

Information pertaining to particular dangers for man and environment:

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



Health = 2

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = *2

Fire = 1

Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT:

25973-55-1 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol

vPvB:

25973-55-1 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol

Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

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3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 471-34-1 RTECS: EV 9580000	Calcium Carbonate	15–40%
CAS: 1317-65-3	Calcium carbonate [Limestone] ⚠ Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335	≥20–≤30%
	Trade Secret ⚠ Acute toxicity - inhalation 3, H331; ⚠ Eye damage 1, H318; ⚠ Skin irritation 2, H315; Sensitization - skin 1, H317; Specific target organ toxicity (single exposure) 3, H335	≥1–<1.5%
CAS: 2768-02-7	trimethoxyvinylsilane ⚠ Flammable liquids 2, H225; ⚠ Sensitization - skin 1B, H317	≥1–≤1.5%
	Trade Secret ⚠ Reproductive toxicity 1B, H360; Specific target organ toxicity (repeated exposure) 1, H372; Flammable liquids 4, H227	0.1–1%
CAS: 25973-55-1	2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol ⚠ Specific target organ toxicity (repeated exposure) 1, H372; ⚠ Acute toxicity - dermal 4, H312; Combustible Dust PBT; vPvB	0.1–1%

· **Additional information:**

Trade secret (proprietary) made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard and U.S. Code of Federal Regulations.

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

If eye irritation occurs, consult a doctor.

If easy to do so, remove contact lenses if worn.

· **After swallowing:** If swallowed and symptoms occur, consult a doctor.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

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* 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** No further relevant information.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:** Do not allow to enter sewers / surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· **Protective Action Criteria for Chemicals**

Protective Action Criteria (PACs) are essential components for planning and response to uncontrolled releases of hazardous chemicals.

· **PAC-1:**

PAC 1: Mild, transient health effects.

471-34-1	Calcium Carbonate	45 mg/m ³
	Trade Secret	23 mg/m ³
2768-02-7	trimethoxyvinylsilane	9.5 ppm
112945-52-5	Silica, fumed	18 mg/m ³

· **PAC-2:**

PAC 2: Irreversible or other serious health effects that could impair the ability to take protective action.

471-34-1	Calcium Carbonate	210 mg/m ³
	Trade Secret	250 mg/m ³
2768-02-7	trimethoxyvinylsilane	100 ppm
112945-52-5	Silica, fumed	100 mg/m ³

· **PAC-3:**

PAC 3: Life-threatening health effects.

471-34-1	Calcium Carbonate	1,300 mg/m ³
	Trade Secret	1,500 mg/m ³
2768-02-7	trimethoxyvinylsilane	120 ppm
112945-52-5	Silica, fumed	630 mg/m ³

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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7 Handling and storage

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

471-34-1 Calcium Carbonate

PEL Long-term value: 15* 5** mg/m³
*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV TLV withdrawn

1317-65-3 Calcium carbonate [Limestone]

PEL Short-term value: 5 mg/m³
Long-term value: 15 mg/m³

TWA Short-term value: 5 mg/m³
Long-term value: 10 mg/m³

Trade Secret

STEL Short-term value: 0.2 mg/m³

TWA Short-term value: 0.1 mg/m³

· **Regulatory information**

PEL: Guide to Occupational Exposure Values (OSHA PELs)

REL: Guide to Occupational Exposure Values (NIOSH RELs)

TLV: Guide to Occupational Exposure Values (TLV)

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

· **Appropriate engineering controls** No further data; see section 7.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

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Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Limitation and supervision of exposure into the environment** None

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Color:**

Off-white

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

2,850 °C (37.150 °F)

· **Flammability:**

Not applicable.

· **Explosion limits:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

205–240 °C (401–464 °F)

· **Decomposition temperature:**

Not determined.

· **pH-value:**

Not determined.

· **Viscosity:**

· **Kinematic:**

Not determined.

· **Dynamic:**

Not determined.

· **Solubility in / Miscibility with**

· **Water:**

Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):**

Not determined.

· **Vapor pressure:**

Not determined.

· **Density at 20 °C (68 °F):**

1.48 g/cm³ (12.3506 lbs/gal)

· **Relative density**

Not determined.

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· Bulk density:	1 kg/m ³
· Vapor density	Not determined.
· Particle characteristics	Not applicable.
· Other information	
· Appearance:	
· Form:	Paste
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent content:	
· VOC content:	0.00 % 0.0 g/l / 0.00 lb/gal
· Change in condition	
· Oxidizing properties	None
· Evaporation rate	Not determined.

10 Stability and reactivity

- **Reactivity**
The product is stable under normal conditions.
No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Inhalative	LC50/96 hours	99.3–163 Mg/l (Rat)
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471-34-1 Calcium Carbonate

Oral	LD50	6,450 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	>3 mg/l (Rat)
	LC50/96 hours	>56,000 Mg/l (fish)

1317-65-3 Calcium carbonate [Limestone]

Oral	LD50	>5,000 mg/kg (Rat)
Inhalative	LC50/96 hours	>10,000 Mg/l (algae)

Trade Secret

Oral	LD50	2,413 mg/kg (Rat)
Dermal	LD50	>2,009 mg/kg (Rat)
		16 mg/kg (Rabbit)

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Inhalative	LC50/96 hours	1.49–2.44 Mg/l (Rat) 597 Mg/l (Zebra Fish) LC50 >100 mg/l (fish)
2768-02-7 trimethoxyvinylsilane		
Oral	LD50	7,120–7,236 mg/kg (Rat)
Dermal	LD50	3,600–4,000 mg/kg (Rabbit)
Trade Secret		
Oral	LD50	1,864 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
25973-55-1 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol		
Oral	LD50	>7,750 mg/kg (Rat)
Dermal	LD50	>1,100 mg/kg (Rabbit)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Irritating effect.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Interactive effects** No interactive effects between components are known.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Alternative sources for toxicological information** No non-standard sources for toxicological information were used.

*12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

471-34-1 Calcium Carbonate

EC50 >1,000 mg/kg (daphnia)

1317-65-3 Calcium carbonate [Limestone]

EC50 >1,000 mg/kg (daphnia)

Trade Secret

EC50 81 mg/kg (daphnia)

90 mg/kg (daphnia)

8.8 mg/kg (Green algae)

2768-02-7 trimethoxyvinylsilane

EC50 168.7 mg/kg (daphnia)

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Trade Secret	
EC50	0.0036 mg/kg (daphnia)
25973-55-1 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol	
EC50	>100 mg/kg (daphnia)
· Persistence and degradability No further relevant information available. · Bioaccumulative potential No further relevant information available. · Mobility in soil No further relevant information available. · Results of PBT and vPvB assessment	
· PBT:	
25973-55-1	2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol
· vPvB:	
25973-55-1	2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol
· Other adverse effects · Additional ecological information: · General notes: Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.	

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

*14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name**
- **DOT, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **DOT, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **DOT, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Special precautions for user** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

*15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

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· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

471-34-1	Calcium Carbonate	ACTIVE
1317-65-3	Calcium carbonate [Limestone]	ACTIVE
	Trade Secret	ACTIVE
2768-02-7	trimethoxyvinylsilane	ACTIVE
	Trade Secret	ACTIVE
25973-55-1	2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol	ACTIVE
52829-07-9	Tinuvin® 770 DF	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

1317-65-3 Calcium carbonate [Limestone]

· **New Jersey Special Hazardous Substance List:**

None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**

1317-65-3 Calcium carbonate [Limestone]

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

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· Hazard pictograms



GHS07 GHS08

· Signal word *Danger*

· Hazard-determining components of labeling:

Calcium carbonate [Limestone]

Trade Secret

trimethoxyvinylsilane

· Hazard statements

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May damage fertility or the unborn child.

May cause respiratory irritation.

· Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

If on skin: Wash with plenty of water.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **SDS created by:** Access GHS, LLC - 888-363-4870 - Team@access-ghs-sds.com

· **Date of previous version** 07/31/2025

· **Date of preparation** 07/31/2025

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

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DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flammable liquids 2: Flammable liquids – Category 2

Flammable liquids 4: Flammable liquids – Category 4

Acute toxicity - dermal 4: Acute toxicity – Category 4

Acute toxicity - inhalation 3: Acute toxicity – Category 3

Skin irritation 2: Skin corrosion/irritation – Category 2

Eye damage 1: Serious eye damage/eye irritation – Category 1

Eye irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - skin 1: Skin sensitisation – Category 1

Sensitization - skin 1B: Skin sensitisation – Category 1B

Reproductive toxicity 1B: Reproductive toxicity – Category 1B

Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3

Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1

· * **Data compared to the previous version altered.**