



# SAFETY DATA SHEET

In accordance with OSHA 29 CFR 1910.1200

**BOSTIK LOCK H899 OPTIMUM**  
Revision Number 1

Revision date 22-May-2025  
Supersedes date Not applicable

## 1. Identification

### 1.1. Product identifier

**Product Name** BOSTIK LOCK H899 OPTIMUM

#### Other means of identification

**Other information** Not applicable

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

**Recommended use** No information available

**Restrictions on use** No information available

### 1.3. Details of the supplier of the safety data sheet

#### Responsible Party

Bostik Inc.  
11320 W. Watertown Plank Road  
Wauwatosa, Wisconsin 53226 USA  
Phone: +1(800) 726-7845 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)

**E-mail** msds@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** CHEMTREC (Chemical Transportation Emergency Center)  
Chemtrec: 1-800-424-9300 (US) , 1-703-527-3887 (Outside U.S.)  
**Rocky Mountain Poison Center:** 1-866-767-5089

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Skin sensitization	Category 1
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#### Hazards not otherwise classified (HNOC)

Not applicable

### 2.2. Label elements

#### EMERGENCY OVERVIEW

#### Warning

#### Hazard statements

May cause an allergic skin reaction

# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025



**Appearance** Paste

**Physical state** Liquid

**Odor** Sweet

## Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Wear protective gloves

## Precautionary Statements - Response

IF ON SKIN: Wash with plenty of water and soap  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

## Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

5 % of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

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

## 3. Composition/information on ingredients

### 3.1. Substances

Not applicable.

### Mixture

Chemical name	CAS No.	Weight-%
Limestone	1317-65-3	30 - 60
Trimethoxyvinylsilane	2768-02-7	1 - <5
1-Propanamine, 3-(trimethoxysilyl)-	13822-56-5	0.1 - <1
Quartz	14808-60-7	0.1 - <1

*\*The exact percentage (concentration) of composition has been withheld as a trade secret*

## 4. First-aid measures

### 4.1. Description of 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.

# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

Inhalation	Remove to fresh air. If symptoms persist, call 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. Do not rub affected area. If eye irritation persists: Get medical advice/attention.
Skin contact	Wash with soap and water. Take off contaminated clothing and wash before reuse. May cause an allergic skin reaction. May cause sensitization by skin contact. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately. Small amounts of toxic methanol are released by hydrolysis.

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

Symptoms	None known.
Effects of Exposure	No information available.

## 4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Treat symptomatically.
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## 5. Fire-Fighting Measures

### 5.1. Extinguishing media

Suitable Extinguishing Media	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Full water jet.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.
Hazardous combustion products	Carbon oxides. Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Silicon dioxide.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

### 5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.
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## 6. Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

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

**Other information** Refer to protective measures listed in Sections 7 and 8.

## 6.2. Environmental precautions

**Environmental precautions** Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

## 6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

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

## **7. Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep from freezing.

**Recommended storage temperature** Keep at temperatures between 50 and 95 °F / 10 and 35 °C. Do not freeze.

### 7.3 References to other sections

**Reference to other sections** Section 10: STABILITY AND REACTIVITY  
Section 13: DISPOSAL CONSIDERATIONS

## **8. Exposure Controls/Personal Protection**

### 8.1. Control parameters

**Exposure Limits** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Limestone	-	TWA: 15 mg/m <sup>3</sup> total dust	TWA: 10 mg/m <sup>3</sup> total dust

# SAFETY DATA SHEET

**BOSTIK LOCK H899 OPTIMUM**  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

1317-65-3		TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 5 mg/m <sup>3</sup> respirable dust
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter	TWA: 50 µg/m <sup>3</sup> (vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : (250)/(%)SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%)SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust

Chemical name	Argentina	Brazil	S.D. 594/1999	Colombia
Limestone 1317-65-3	TWA-CMP: 10 mg/m <sup>3</sup> ;	-	TWA-LPP: 7 mg/m <sup>3</sup> ;free of Asbestos with <1% free Crystalline Silica TWA-LPP: 5 mg/m <sup>3</sup> ;respirable fraction	-
Quartz 14808-60-7	TWA-CMP: 0.05 mg/m <sup>3</sup> ; respirable fraction	TWA-LT: 0.025 mg/m <sup>3</sup> ; respirable particulate matter	TWA-LPP: 0.08 mg/m <sup>3</sup> ;respirable fraction	TWA: 0.025mg/m <sup>3</sup>

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
Quartz 14808-60-7	TWA: 0.025mg/m <sup>3</sup>	TWA: 0.05mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup> TWA (respirable particulate matter)	TWA: 0.025 mg/m <sup>3</sup>

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Methyl alcohol 67-56-1	TWA: 200 ppm STEL: 250 ppm pSk	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>

Chemical name	Argentina	Brazil	S.D. 594/1999	Colombia
Methyl alcohol 67-56-1	TWA-CMP: 200 ppm; STEL (CMP-CPT): 250 ppm; Sk	TWA-LT: 156 ppm; TWA-LT: 200 mg/m <sup>3</sup> ; STEL: 250 ppm; Sd	TWA-LPP: 175 ppm; TWA-LPP: 229 mg/m <sup>3</sup> ; STEL-LPT: 250 ppm; STEL-LPT: 328 mg/m <sup>3</sup> ; pSd	STEL: 250ppm TWA: 200ppm

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
Methyl alcohol 67-56-1	STEL: 250ppm TWA: 200ppm	STEL: 250ppm STEL: 328mg/m <sup>3</sup> TWA: 200ppm TWA: 262mg/m <sup>3</sup>	250 ppm STEL 200 ppm TWA	Skin STEL: 250 ppm TWA: 200 ppm

# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

## 8.2. Exposure controls

### Appropriate engineering controls

Engineering controls      Showers  
                                 Eyewash stations  
                                 Ventilation systems.

### Individual protection measures, such as personal protective equipment

Eye/face protection      Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Hand protection      Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Skin and body protection      Wear suitable protective clothing.

Respiratory protection      In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations      Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended.

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Physical state      Liquid  
Appearance      Paste  
Color      Off-white  
Odor      Sweet  
Odor threshold      No information available

Property	Values	Remarks • Method
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	> 110 °C / 230 °F	None known
Evaporation rate	No data available	None known
Flammability	No data available	Not applicable for liquids
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Reacts with water	Reacts with water

# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	25000 mPa s	@ 70 °C

## 9.2. Other information

Explosive properties	No information available	
Oxidizing properties	No information available	
Solvent content (%)	No information available	
Solid content (%)	100	
Softening point	No information available	
Molecular weight	No information available	
VOC content		No information available
Density	1.07 g/cm <sup>3</sup>	
Bulk density	No information available	

## 10. Stability and Reactivity

### 10.1. Reactivity

Reactivity Product cures with moisture.

### 10.2. Chemical stability

Chemical stability Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

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.

### 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

### 10.6. Hazardous decomposition products

Hazardous decomposition products Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### 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. Repeated or prolonged skin contact may cause

# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

allergic reactions with susceptible persons. (based on components).

## 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

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	>5000 mg/kg
ATEmix (dermal)	141,765.30 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/l
ATEmix (inhalation-vapor)	440.50 mg/l

## Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (Rattus)	-	-
Trimethoxyvinylsilane 2768-02-7	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	LD50 (Rattus) > 2000 mg/ kg (2,97 ml/kg) (OECD 401)	LD50 (Oryctolagus cuniculus) > 2000 mg/kg 11,3 ml/kg) OECD 402	-
Quartz 14808-60-7	>2000 mg/kg (Rattus)	-	-

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

### Skin corrosion/irritation

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

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant

### Serious eye damage/eye irritation

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

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

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		72 hours	irritant

### Respiratory or skin sensitization

May cause an allergic skin reaction.



# SAFETY DATA SHEET

**BOSTIK LOCK H899 OPTIMUM**  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

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

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro	Not mutagenic

**Carcinogenicity** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2 A2 - Suspected Human Carcinogen	Group 1	Known	X

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

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

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

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

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

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

### 12.1. Toxicity

#### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmodesmus subspicatus)	CL50 (96h)>10000mg/L (Oncorhynchus mykiss)	-	CE50 (48h) >1000 mg/L Daphnia Magna
Trimethoxyvinylsilane	EC 50 (72h) > 957 mg/l	LC50 (96h) = 191 mg/l	-	EC50(48hr) 168.7mg/l

# SAFETY DATA SHEET

**BOSTIK LOCK H899 OPTIMUM**  
Revision Number 1

**Revision date** 22-May-2025  
**Supersedes date** 22-May-2025

2768-02-7	(Desmodemus subspicatus) EU Method C.3	(Oncorhynchus mykiss)		(Daphnia magna)
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	EC50 (72h) > 1000 mg/l (Desmodemus subspicatus) EU Method C.3 (Algal Inhibition test)	LC50 (96h) > >934 mg/L (Danio rerio) OECD 203	-	EC50 (48h) = 331 mg/L (Daphnia magna) OECD 202

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

## 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

## **Component Information**

Chemical name	Partition coefficient
Limestone 1317-65-3	0.9
Trimethoxyvinylsilane 2768-02-7	1.1

## 12.4. Mobility in soil

**Mobility** No information available.

## Other adverse effects

**Other adverse effects** No information available.

## **13. Disposal considerations**

### 13.1. Waste treatment methods

**Waste from residues/unused products** It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**Contaminated packaging** Handle contaminated packages in the same way as the product itself. Dispose of in accordance with federal, state and local regulations.

## **14. Transport information**

**Note:** Keep from freezing.

**DOT** Not regulated

**IATA** Not regulated

# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

IMDG Not regulated

## 15. Regulatory Information

### International Inventories

TSCA	Complies
DSL	Not Listed

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**Complies** - The components of this product are either listed or exempt from listing on inventory. Active

**Not Listed** - One or more components of this product are not listed on inventory.

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

## 16. Other Information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend**

SVHC: Substances of Very High Concern for Authorization:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate

LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

#### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

Sk\*

Skin designation

**Prepared By** Product Stewardship and Regulatory Affairs.

**Revision date** 22-May-2025

**Revision Note** No information available.

#### **Disclaimer**

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# SAFETY DATA SHEET

BOSTIK LOCK H899 OPTIMUM  
Revision Number 1

Revision date 22-May-2025  
Supersedes date 22-May-2025

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**End of Safety Data Sheet**