



# Safety Data Sheet

**BOSTIK'S BEST(R)**  
Revision Number 3.01

Revision Date 07-Jan-2019  
Supersedes Date: 14-Dec-2018

## 1. Identification

### 1.1. Product Identifier

**Product Name** BOSTIK'S BEST(R)

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

**Recommended use** Adhesives and/or sealants.  
**Uses advised against** 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) 843-0844 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)  
Fax: +1 (414) 774-8075

E-mail msds@bostik.com

### 1.4. Emergency telephone number

Telephone: 1-800-227-0332  
(Outside U.S.) 1-703-527-3887

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2

### 2.2. Label Elements

#### EMERGENCY OVERVIEW

**DANGER**

#### Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction  
May damage fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure

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**Appearance** Paste

**Physical State** Liquid

**Odor** No information available

## Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
In case of inadequate ventilation wear respiratory protection  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves  
Do not breathe dust/fume/gas/mist/vapors/spray

## Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see first aid measures on this label)  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

## Precautionary Statements - Storage

Store locked up

## Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

## Hazards Not Otherwise Classified (HNOC)

Not applicable

## Unknown acute toxicity

28 % of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

No information available.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

Chemical Name	CAS No.	Weight-%
Limestone	1317-65-3	30 - 60
Naphtha, petroleum, heavy alkylate	64741-65-7	3 - 7
Benzene, 1,1'-methylenebis[isocyanato-	26447-40-5	1 - 5
Quartz	14808-60-7	0.1 - 1
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	0.1 - 1
Dibutyltin dilaurate	77-58-7	0.1 - 1

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

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	Remove and isolate contaminated clothing and shoes.
<b>Eye contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. May cause sensitization by skin contact. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Move victim to fresh air. Administer oxygen if breathing is difficult. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or physician immediately.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

**Symptoms** No information available.

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

**Note to physicians** May cause sensitization of susceptible persons. May cause sensitization by inhalation and skin contact. Treat symptomatically.

### 4.4. Reference to Other Sections

**Reference to other sections** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 11: TOXICOLOGY INFORMATION

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media**  
Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Unsuitable extinguishing media**  
Strong 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 and toxic gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.

#### **Explosion Data**

<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.

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## 5.3. Advice for firefighters

### **Protective equipment and precautions for firefighters**

Move containers from fire area if you can do it without risk. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal precautions**

Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Avoid contact with skin, eyes or clothing.

### 6.2. Environmental precautions

#### **Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

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

#### **Methods for containment**

Stop leak if you can do it without risk. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### **Methods for cleaning up**

Use personal protective equipment as required. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

### 6.4. Reference to other sections

#### **Reference to other sections**

Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## **Section 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. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation. Avoid contact with skin, eyes or clothing. After contact with skin, wash immediately with plenty of water and soap. Wash contaminated clothing before reuse.

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

#### **Storage Conditions**

Keep out of the reach of children. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct contact with water or excessive moisture.

#### **Incompatible materials**

Water. Alcohols. Strong bases. Strong oxidizing agents. Finely powdered metals.

### 7.3. Specific end use(s)

#### **Specific Use(s)**

Adhesives and/or sealants.

#### **Other information**

No information available.

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## 7.4. References to Other Sections

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

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Guidelines

. 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 TLV	NIOSH IDLH	OSHA PEL	Mexico
Limestone 1317-65-3	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Benzene, 1,1'-methylenebis[isocyanato - 26447-40-5	-	-	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m <sup>3</sup>	TWA: 0.02 ppm TWA: 0.2 mg/m <sup>3</sup> TWA: 0.005 ppm TWA: 0.051 mg/m <sup>3</sup>
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust	TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup> excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	TWA: 0.1 mg/m <sup>3</sup>
Dibutyltin dilaurate 77-58-7	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn	TWA: 0.1 mg/m <sup>3</sup> Sn	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup>

Chemical Name	Argentina	Brazil	Chile	Venezuela
Limestone 1317-65-3	TWA: 10 mg/m <sup>3</sup>	-	TWA: 7 mg/m <sup>3</sup>	-
Benzene, 1,1'-methylenebis[isocyanato - 26447-40-5	TWA: 0.005 ppm	-	TWA: 0.004 ppm TWA: 0.045 mg/m <sup>3</sup>	-
Quartz 14808-60-7	TWA: 0.05 mg/m <sup>3</sup>	-	TWA: 0.08 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>
Dibutyltin dilaurate 77-58-7	TWA: 0.1 mg/m <sup>3</sup> Skin STEL: 0.2 mg/m <sup>3</sup>	-	TWA: 0.09 mg/m <sup>3</sup> Skin	Skin STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

#### Personal protective equipment [PPE]

##### Eye/face protection

Tight sealing safety goggles.

##### Skin and body 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.

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<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>General hygiene considerations</b>	Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical State</b>	Liquid
<b>Appearance</b>	Paste
<b>Color</b>	Amber
<b>Odor</b>	No information available
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	> 172 °C / 342 °F	
<b>Flash Point</b>	> 110 °C / > 230 °F	ASTM D3278
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No information available	
<b>Lower flammability or explosive limits</b>	No information available	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Relative Density</b>	No information available	
<b>Water Solubility</b>	No information available	
<b>Solubility in Other Solvents</b>		
<b>Partition coefficient</b>	No information available	
<b>Autoignition Temperature</b>	No information available	
<b>Decomposition Temperature</b>	No information available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### 9.2. Other information

<b>Softening Point</b>	No information available	
<b>Molecular Weight</b>	No information available	
<b>Solvent content (%)</b>	No information available	
<b>Solid content (%)</b>	93.0	
<b>Density</b>	1.508 g/cm <sup>3</sup>	
<b>VOC (volatile organic compound)</b>		20 g/L

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

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None under normal use conditions.

## 10.2. Chemical stability

Stable under recommended storage conditions.

## 10.3. Possibility of hazardous reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization may occur.

## 10.4. Conditions to avoid

Keep from any possible contact with water. Extremes of temperature and direct sunlight. Storage near to reactive materials. Protect from moisture.

## 10.5. Incompatible materials

Water. Alcohols. Strong bases. Strong oxidizing agents. Finely powdered metals.

## 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen cyanide. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## **Section 11: TOXICOLOGY INFORMATION**

### 11.1. Information on toxicological effects

<b>Product information</b>	No data available
<b>Inhalation</b>	May cause sensitization by inhalation.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	May cause sensitization by skin contact.
<b>Ingestion</b>	No data available.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (rat)	-	-
Naphtha, petroleum, heavy alkylate 64741-65-7	> 7000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.04 mg/L ( Rat ) 4 h
Benzene, 1,1'-methylenebis[isocyanato- 26447-40-5	> 10000 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	= 490 mg/m <sup>3</sup> ( Rat ) 4 h
Quartz 14808-60-7	= 6450 mg/kg ( Rat )	-	-
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1	= 2234 mg/kg ( Rat )	-	> 640 ppm ( Rat ) 1 h
Dibutyltin dilaurate 77-58-7	= 2071 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-

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

<b>Symptoms</b>	No information available.
<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Irritation</b>	No information available.

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<b>Corrosivity</b>	No information available.
<b>Sensitization</b>	May cause sensitization by inhalation and skin contact.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Reproductive Toxicity</b>	Product is or contains a chemical which is a known or suspected reproductive hazard.
<b>Developmental Toxicity</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Chronic Toxicity</b>	Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure. Repeated or prolonged exposure may cause central nervous system damage. Repeated or prolonged contact causes sensitization, asthma and eczemas.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin, Central nervous system.
<b>Aspiration hazard</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

Chemical Name	ACGIH	IARC	NTP	OSHA
Benzene, 1,1'-methylenebis[isocyanato - 26447-40-5	-	Group 3	-	-
Quartz 14808-60-7	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)  
A2 - Suspected Human Carcinogen  
IARC (International Agency for Research on Cancer)  
Group 1 - Carcinogenic to Humans  
Group 3 - Not Classifiable as to Carcinogenicity in Humans  
NTP (National Toxicology Program)  
Known - Known Carcinogen  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

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 Fish (Oncorhynchus mykiss)		CE50 (48h) >1000 mg/L Daphnia Magna
Naphtha, petroleum, heavy alkylate 64741-65-7	EC50: =30000mg/L (72h, Pseudokirchneriella subcapitata)			LC50: =2mg/L (48h, Mysidopsis bahia)
Benzene, 1,1'-methylenebis[isocyanato - 26447-40-5	EC50: =3230mg/L (96h, Skeletonema costatum)			EC50: >1000mg/L (24h, Daphnia magna)
Dibutyltin dilaurate 77-58-7		LC50: =2mg/L (48h, Oryzias latipes)		

### 12.2. Persistence and degradability

No information available.



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## 12.3. Bioaccumulative potential

No information available.

## 12.4. Mobility in soil

No information available.

## Other adverse effects

No information available

## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

**Disposal of Wastes** 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** Dispose of in accordance with federal, state and local regulations

## **Section 14: TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## **Section 15: REGULATORY INFORMATION**

### Global Inventories

<b>TSCA</b>	Listed
<b>DSL</b>	Listed

#### **Legend:**

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

**DSL** - Canadian Domestic Substances List

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

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

### United States of America

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

<b>Chemical Name</b>	<b>CAS No.</b>
Benzene, 1,1'-methylenebis[isocyanato-	26447-40-5

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No

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**Reactive Hazard**

No

## Europe

### **Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation

### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

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)

## **Section 16: OTHER INFORMATION**

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

No information available

### **Key Literature References and Sources for Data**

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 07-Jan-2019

**Revision note** SDS sections updated, 14.

**Training Advice** No information available

**Further information** No information available

### **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**