

 60FI65890
 Revision Date
 19-May-2017

 BOSTI-SET
 INT
 Supersedes Date:
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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name BOSTI-SET INT

Product Code 60Fl65890

Product(s) CoveredSee section 16 for more information

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-us.com

1.4. Emergency Telephone Number

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

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

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 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 Fruity

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

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.

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

29% 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.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	CAS No.	Weight-%
Limestone	1317-65-3	30 - 60
Wollastonite	13983-17-0	1 - 5
Silane, ethenyltrimethoxy-	2768-02-7	1 - 5
Carbon black	1333-86-4	0.1 - 1
N-[3-(Trimethyoxysilyl)propyl]-1,2-ethanediamine	1760-24-3	0.1 - 1
Quartz	14808-60-7	0.1 - 1
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	0.1 - 1

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

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Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice Remove contaminated clothing and shoes. If medical advice is needed, have product

container or label at hand.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Hold eyelids apart and consult an physician.

Skin Contact 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.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get

medical attention if symptoms occur.

Ingestion If swallowed, do not induce vomiting: seek medical advice immediately and show this

container or label. If swallowed, rinse mouth with water (only if the person is conscious).

Self-protection of the First Aider First aider: Pay attention to self-protection.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms None known.

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. May cause sensitization by 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

Carbon dioxide (CO2). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

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 toxic/corrosive gases and vapors. Carbon monoxide. Carbon dioxide (CO2). Halogenated hydrocarbons. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

5.3. Advice for Firefighters

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Protective Equipment and Precautions for Firefighters

Do not allow run-off from fire-fighting to enter drains or water courses. 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

or walk through spilled material.

6.2. Environmental Precautions

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter

into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and Material for Containment and Cleaning up

Methods for ContainmentContain 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. Dam up. Soak up with inert absorbent

material. Pick up and transfer to properly labeled containers. 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

hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Wash

contaminated clothing before reuse.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage Conditions Protect from direct contact with water or excessive moisture. Keep away from food, drink

and animal feeding stuffs. Recommended storage temperature. 10 - 35 °C.

Incompatible Materials Water.

7.3. Specific End Use(s)

Other Information No information available.

7.4. References to Other Sections

Reference to Other Sections Section 13: DISPOSAL CONSIDERATIONS

Section 10: STABILITY AND REACTIVITY

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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Guidelines

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. 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. As Carbon black (1333-86-4) 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. As Limestone CAS 1317-65-3 and Wollastonite (13983-17-0) 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 TLV	NIOSH IDLH	OSHA PEL	Mexico
Limestone 1317-65-3	-	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ STEL: 20 mg/m³
Wollastonite 13983-17-0	TWA: 1 mg/m³ inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica	-	-	-
Carbon black 1333-86-4	TWA: 3 mg/m³ inhalable particulate matter	IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH	TWA: 3.5 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable particulate matter	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust	TWA: 50 μg/m³ TWA: 50 μg/m³ excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction	TWA: 0.1 mg/m³
Tin, dibutylbis(2,4-pentanedionat o-O,O')-, (OC-6-11)- 22673-19-4	STEL: 0.2 mg/m³ Sn TWA: 0.1 mg/m³ Sn S*	IDLH: 25 mg/m³ Sn TWA: 0.1 mg/m³ except Cyhexatin Sn	TWA: 0.1 mg/m³ Sn	TWA: 0.1 mg/m³ STEL: 0.2 mg/m³

Chemical Name	Argentina	Brazil	Chile	Venezuela
Limestone	TWA: 10 mg/m ³	-	TWA: 8 mg/m ³	-
1317-65-3				
Carbon black	TWA: 3.5 mg/m ³	-	-	TWA: 3.5 mg/m ³
1333-86-4				
Quartz	TWA: 0.05 mg/m ³	-	TWA: 0.08 mg/m ³	TWA: 0.025 mg/m ³
14808-60-7				
Tin,	TWA: 0.1 mg/m ³	-	TWA: 0.08 mg/m ³	Skin
dibutylbis(2,4-pentanedionat	Skin		Skin	STEL: 0.2 mg/m ³
o-O,O')-, (OC-6-11)-	STEL: 0.2 mg/m ³			TWA: 0.1 mg/m ³
22673-19-4				

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Methyl alcohol	STEL: 250 ppm	IDLH: 6000 ppm	TWA: 200 ppm	TWA: 200 ppm
67-56-1	TWA: 200 ppm	TWA: 200 ppm	TWA: 260 mg/m ³	TWA: 260 mg/m ³
	S*	TWA: 260 mg/m ³	_	STEL: 250 ppm
		STEL: 250 ppm		STEL: 310 mg/m ³
		STEL: 325 mg/m ³		

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Chemical Name	Argentina	Brazil	Chile	Venezuela
Methyl alcohol	TWA: 200 ppm	TWA: 156 ppm	TWA: 175 ppm	Skin
67-56-1	Skin	TWA: 200 mg/m ³	TWA: 229 mg/m ³	STEL: 250 ppm
	STEL: 250 ppm	Skin	Skin	TWA: 200 ppm

8.2. Exposure Controls

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

curing.

Engineering Controls Showers

Eyewash stations Ventilation systems.

Personal protective equipment [PPE]

Respiratory Protection

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body ProtectionWear 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.

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.

General Hygiene Considerations 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. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Take off contaminated clothing and wash 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

Physical StateLiquidAppearancePasteColorCreamOdorFruity

Odor Threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No information available
Melting Point/Freezing Point No information available
Boiling Point No information available
Flash Point > 93.3 °C / > 200 °F
Evaporation Rate No information available
Flammability (solid, gas) No information available

Flammability (soild, gas)

Upper Flammability Limit
Lower Flammability Limit
Vapor Pressure
Vapor Density
Relative Density
No information available
No information available
No information available
No information available

Not applicable for liquids

Water Solubility

Solubility in Other

Solvents

Partition Coefficient

Autoignition Temperature Decomposition

Temperature

No information available

No information available No information available

No information available

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Kinematic Viscosity No information available

Dynamic Viscosity No information available

Explosive PropertiesNo information availableOxidizing PropertiesNo information available

9.2. Other Information

Softening Point
Molecular Weight
Solvent Content (%)

No information available
No information available
No information available

Solid Content (%) 100

Density 1.544 g/cm³ VOC 0 g/L

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Product cures with moisture.

10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

None known.

10.4. Conditions to Avoid

Extremes of temperature and direct sunlight. Protect from moisture. Product cures with moisture.

10.5. Incompatible Materials

Water.

10.6. Hazardous Decomposition Products

None under normal use and recommended storage conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on Toxicological Effects

Product InformationNo Data AvailableInhalationNo Data AvailableEye contactNo Data AvailableSkin ContactNo Data AvailableIngestionNo Data Available

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone	>5000 mg/kg (rat)	-	-
1317-65-3			
Silane, ethenyltrimethoxy-	LD 50 = 7120 -7236 mg/kg (Rat)	= 3360 μL/kg (Rabbit)	-

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2768-02-7	OECD 401		
Carbon black	LD 50 > 8000 mg/kg (rat)	> 3 g/kg (Rabbit)	-
1333-86-4	OECD 401		
N-[3-(TrimethyoxysilyI)propyI]-1,2-et	= 2413 mg/kg (Rat) = 7460 μL/kg	-	LC50 4H (Aerosol)1.5 - 2.44 mg/L
hanediamine	(Rat)		air
1760-24-3			
Quartz	>2000 mg/kg (Rat)	-	-
14808-60-7			
Tin,	LD50 = 1864 mg/kg (Rat) OECD	LD50 > 2000 mg/kg (Rat) OECD	-
dibutylbis(2,4-pentanedionato-O,O')	401	402	
-, (OC-6-11)-			
22673-19-4			

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Symptoms No information available. Skin Corrosion/Irritation No information available. Serious Eye Damage/Eye Irritation No information available. Irritation No information available. Corrosivity No information available. Sensitization No information available. **Germ Cell Mutagenicity** No information available. **Reproductive Toxicity** No information available. **Developmental Toxicity** No information available. **Teratogenicity** No information available. **STOT - Single Exposure** No information available. **STOT - Repeated Exposure** No information available. No information available. **Chronic Toxicity Target Organ Effects** Eyes, Respiratory system, Skin.

Aspiration Hazard Not applicable.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

As Carbon black (1333-86-4) 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. 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
Wollastonite 13983-17-0	-	Group 3	-	-
Carbon black 1333-86-4	A3	Group 2B	-	Х
Quartz 14808-60-7	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Confirmed animal carcinogen with unknown relevance to humans

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly 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

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Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L Fish (Oncorhynchus mykiss)	·	CE50 (48h) >1000 mg/L Daphnia Magna
Silane, ethenyltrimethoxy- 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	L50 (96h) = 191 mg/l (Oncorhynchus mykiss)		EC50(48hr) 168.7mg/l (Daphnia magna)
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	rerio) OCDE 203		EC50 24 h > 5600 mg/L (Daphnia magna)
N-[3-(Trimethyoxysilyl)propyl]-1,2-ethanediamine 1760-24-3		LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static		EC50 (48h) =81mg/L Daphnia magna Static
Tin, dibutylbis(2,4-pentanedionat o-O,O')-, (OC-6-11)- 22673-19-4	>2.0 mg/l	>2.0 mg/l		

12.2. Persistence and Degradability

No information available.

12.3. Bioaccumulative Potential

No information available.

12.4. Mobility in Soil

No information available.

12.5 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

Dispose of in accordance with federal, state and local regulations **Contaminated Packaging**

Section 14: TRANSPORTATION INFORMATION

DOT Not regulated IATA Not regulated **IMDG** Not regulated

Section 15: REGULATORY INFORMATION

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Global Inventories

TSCA	Listed
DSL	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.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

D2A - Very toxic materials



United States of America

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

Acute Health Hazard	yes
Chronic Health Hazard	yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

California Proposition 65

This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. %

Chemical Name	CAS No.
Carbon black	1333-86-4
Quartz	14808-60-7
Methyl alcohol	67-56-1

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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 16: OTHER INFORMATION

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Product(s) Covered

G65890 BOSTI-SET SFG G65890-BTS BOSTI-SET PP4GL/P36

HMIS Health Hazards 2* Flammability 1 Physical Hazards 1 Personal Protection X

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 19-May-2017

Revision Note SDS sections updated, 2, 5, 7, 9, 10, 15, 16.

Training Advice When working with hazardous materials, regular training of operators is required by law

Additional 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 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