

FL/FILL NONSHR_HS
 Version 1

Revision Date 23-Mar-2017
 Supersedes Date: 23-Mar-2017

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name FL/FILL NONSHR_HS
Pure substance/mixture mixture

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use Adhesives, sealants.
Uses Advised Against No information available.

1.3. Details of the Supplier of the Safety Data Sheet

Company Name

Bostik (Shanghai) Management Co., Ltd
 Building 1, No.968 Guanghai Road, Minhang District
 Shanghai, China
 Tel: 021-60763101
 Fax: 021-60763133

Please refer to Section 16 for local affiliate addresses.

1.4. Emergency Telephone Number

Emergency Telephone 0532-8388 9090 (China only)

E-mail address SDS.AP@Bostik.com

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

Skin Corrosion/Irritation	Category 2 (6.3A)
Serious Eye Damage/Eye Irritation	Category 1 (8.3A)
Skin sensitization	Category 1 (6.5B)
STOT - Single Exposure	Category 3 (†)

Classification in parenthesis is applicable for New Zealand Hazard Classification

ERMA Group No information available

2.2. Label Elements



Signal Word

DANGER

Hazard statements

H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H318 - Causes serious eye damage
 H335 - May cause respiratory irritation

Precautionary Statements - Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P271 - Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

P321 - Specific treatment (see supplemental first aid instructions on this label)

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

Skin

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P362 - Take off contaminated clothing and wash before reuse

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

EYES

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

Precautionary Statements - Disposal

P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards

- Product dust may be irritating to eyes, skin and respiratory system
- When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers
- Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	CAS No.	Weight-%
Cement, portland, chemicals	65997-15-1	40 - 50

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice	If symptoms persist, call a physician.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Brush off loose particles from skin.
Eye contact	If symptoms persist, call a physician. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Do NOT induce vomiting. Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.
Self-protection of the First Aider	Use personal protective equipment as required.

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

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

Symptoms None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians May cause sensitization of susceptible persons. 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 Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media No information available.

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.

Hazardous Combustion Products Carbon oxides.

5.3. Advice for Firefighters

Special Protective Equipment for Fire-fighters Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Avoid creating dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing and eye/face protection.

For Emergency Responders Sweep up to prevent slipping hazard.

6.2. Environmental Precautions

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

6.3. Methods and Material for Containment and Cleaning up

Methods for Containment Prevent dust cloud. Take up mechanically, placing in appropriate containers for disposal.

Methods for Cleaning up Avoid creating dust. Sweep up and shovel into suitable containers for disposal.

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

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid generation of dust. Avoid contact with skin and eyes. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, including any Incompatibilities

General Hygiene Considerations When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Storage Conditions Keep out of the reach of children. Protect from direct contact with water or excessive moisture. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Incompatible Materials No information available

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.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

Chemical Name	China	Japan	Korea	New Zealand	Australia
Cement, portland, chemicals 65997-15-1	TWA: 4 mg/m ³ total dust TWA: 1.5 mg/m ³ respirable dust STEL: 8 mg/m ³ total dust STEL: 3 mg/m ³ respirable dust	TWA: 4 mg/m ³ TWA: 1 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	10 mg/m ³

Chemical Name	European Union	ACGIH TLV	NIOSH IDLH	OSHA PEL
Cement, portland, chemicals 65997-15-1	-	TWA: 1 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	IDLH: 5000 mg/m ³ TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction TWA: 50 mppcf <1% Crystalline silica

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

Other Information No information available

8.2. Exposure Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

PPE - Personal Protection Equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).
Skin and Body Protection Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
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.
Respiratory Protection No protective equipment is needed under normal use conditions. Respiratory protection

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

General Hygiene Considerations

required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

Environmental Exposure Controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance	Powder
Color	Grey
Odor	Odorless
Odor Threshold	Not applicable

<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	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	100
Density	No information available
Bulk Density	No information available
VOC	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical Stability

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

10.4. Conditions to Avoid

Conditions to Avoid Heat, flames and sparks.

10.5. Incompatible Materials

Incompatible Materials No information available.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	No Data Available.
Eye contact	No Data Available.
Skin Contact	No Data Available.
Ingestion	No Data Available.

Numerical measures of toxicity

Unknown acute toxicity

47.0596501 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
51.0446501 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
56.6451501 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
56.6451501 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
56.6451501 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

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

Skin Corrosion/Irritation	No information available.
Serious Eye Damage/Eye Irritation	No information available.
Sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Target Organ Effects	Eyes, Lungs, Respiratory system, Skin.
Aspiration Hazard	No information available.
Carcinogenicity	No information available.

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*

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information

None known.

Component Information

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

Data obtained on the component(s) include

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. Results of PBT and vPvB Assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other Adverse Effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORTATION INFORMATION

IMDG Not regulated

IATA Not regulated

ADR Not regulated

Section 15: REGULATORY INFORMATION

National Regulations

China
Not applicable

Japan
Not applicable

Korea
K-REACH/chemical control act(CCA)
Not applicable

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

International Regulations

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

Local Contacts

Bostik Korea, Ltd.
6F, 21
Gukhoe-daero 62-gil Yeongdeungpo-gu
Seoul, 07236
Korea
Tel: +82-02-3703-6870
Fax: +82-02-3703-6850

Bostik-Nitta Co, Ltd
2-22,Futamata
Yao, Osaka
Japan
Tel: 81-72-948-8286
Fax: 81-72-948-8273

Bostik India Private Ltd
124/1 & 124/2A
Kachanayakanahalli
Behind Bommasandra Indl.Area
Off Hosur Road, Hennagara Post,
Anekal Taluk
Bangalore - 562106, Karnataka,
INDIA
Tel: 0091-80-27833520
Fax: 00 91-80-27831324
Email: Bostikinfo.India@bostik.com

Bostik Findley (Malaysia) Sdn. Bhd
Lot 112 & 113,
Kawasan Perindustrian senawang,
seremban, negeri sembilan, Malaysia
Tel: 606-6789788
Fax: 606-6789766

Bostik Findley (Malaysia) S/B
(Singapore Branch)
2 Jurong East
Street 21 #02-184
IMM Building
Singapore 609601
Tel: 65-6863-4088
Fax: 65-6863-4077

Bostik (Thailand) Co., Ltd
1/32 Bang-na Thani
Tower 16th A Foolr.
Soi Bangna-Trad 34,
Bangna-Trad rd.
Bang-na, Bangkok
Tel: 02-361 6460-7
Fax: 02-361 6469
Bostik Vietnam Company Limited
10 Doc Lap Avenue,
VSIP 1. Thuan An District,
BinhDuong Province. Viet Nam.
Tel: 84 650 3765105
Fax: 84 650 3765109

Bostik Phillippines, Inc.
35/F Raffles Corporate Center,
F. Ortigas Jr. Road
Ortigas Business Center,
Pasig city, Phillippines
Tel: 632-900-5656
Fax: 632-900-5622
Bostik Australia Pty Ltd
51-71 High street,
Thomastown Victoria
Australia
Tel: 613 9279-9333
Fax: 613 9279-9342
24-hr Emergency: 1800 033 111
Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel: 04-567 5119
Fax: 04-567 5412

Bostik Indonesia
Setiabudi Atrium Building,
Level 2, Suite 203 A
Jl. HR Rasuna Said
Jakarta Indonesia 12920
Tel: 62 21 521 0404
Fax: 62 21 521 0554
Jiangsu Bositk Adhesive Co.,Ltd
No.15-9, Xinggang Road, Changshu
Enconomic Development Zone
Jiangsu Province 215536
Tel: 0086-512-52266000
Fax: 0086-512-52266020

Bostik Findley (China) Adhesive Ltd
No.75, Xin Zhuang 2 Road, Yong He
District, GETDD
Guangzhou, China 511356
Tel: 020-8297 5266
Fax: 020-8297 5277

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

Safety Data Sheet

FL/FILL NONSHR_HS
Version 1

Revision Date 23-Mar-2017
Supersedes Date: 23-Mar-2017

Key Literature References and Sources for Data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision Date 23-Mar-2017

Revision Note Not applicable.

Training Advice 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