

FLOW FILL GROUT GENERAL PURPOS
 Version 1

Revision Date 13-Apr-2016
Supersedes Date: No information available

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

1.1. Product Identifier

Product Name FLOW FILL GROUT GENERAL PURPOS
Pure substance/mixture mixture

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

Recommended use Adhesives.
Uses Advised Against No information available.

1.3. Details of the Supplier of the Safety Data Sheet

Company Name

Bostik (Shanghai) Management Co., Ltd
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 Shanghai, China
 Tel: 021-60763101
 Fax: 021-60763133

Manufacturer

Bostik India Private Ltd
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 INDIA
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 Fax: 00 91-80-27831324
 Email: Bostikinfo.India@bostik.com

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) |

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

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Precautionary Statements - Prevention

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

Precautionary Statements - Response

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

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

Keep only in the original container/package in a cool well-ventilated place

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

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures

| Chemical Name | CAS No | Weight-% |
|-----------------------------|------------|----------|
| Cement, portland, chemicals | 65997-15-1 | 30 - 40 |

*** 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

Symptoms None known.

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

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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

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

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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 | Australia | China | Japan | Korea | New Zealand |
|---|----------------------|--|--|---------------------------|---------------------------|
| Cement, portland, chemicals 65997-15-1 | 10 mg/m ³ | 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 |

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.

Personal Protective Equipment (PPE)

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 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.

General Hygiene Considerations 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

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| | |
|----------------|----------------|
| Appearance | Powder Solid |
| 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 | |
| Specific Gravity | 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.

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.

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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. |

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*

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information

None known.

Component Information

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.

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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: TRANSPORT 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)

This product does not contain phase-in substances subject to registration, toxic substances, substances subject to authorization, restricted substances, prohibited substances, substances requiring preparation for accidents regulated under the Chemicals Control Law

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

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Lower Hutt, New Zealand
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Fax: 04-567 5412
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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 | 13-Apr-2016 |
| Revision Note | Not applicable. |
| Training Advice | No information available |

Disclaimer

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End of Safety Data Sheet