

# MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003)

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** MASTERFLOW 622 AGGREGATE

**Other name:** None allocated

**Product code:** 50643397

**Recommended use:** Aggregate filler for Masterflow 622 Epoxy Grout.

**Supplier:** BASF Construction Chemicals Australia Pty Ltd. ABN 46 000 450 288  
BASF New Zealand Ltd.

**Address:** 11 Stanton Road, Seven Hills, NSW, 2147 Australia  
45 William Pickering Drive, Albany, Auckland, New Zealand

**Telephone number:** +61 2 8811 4200 +64 9 414 7233

**Facsimile:** +61 2 8811 3299 +64 9 414 7244

**Emergency telephone number:** 0417 658 263

## 2. HAZARDS IDENTIFICATION

**Hazard classification:** HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS  
Hazardous substance according to the criteria of NOHSC  
Non Dangerous goods for transport according to the ADG code

**Hazard Designation:** Silica, Crystalline Quartz – Human Carcinogen.

**Risk phrase(s):** None allocated

**Safety phrase(s):** None allocated

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Silica, Crystalline Quartz	148080-60-7	100%

All ingredients listed on AICS.

## 4. FIRST AID MEASURES

**Inhalation:** Avoid breathing dust. Use in well ventilated areas. If inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.

**Eyes:** While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

**Skin:** Remove contaminated clothing. Remove excess from skin mechanically. Wash contacted areas thoroughly with soap and water. If irritation develops seek medical attention. Wash contaminated clothing before re-use.

**Ingestion:** Not a normal route of injury. Do not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do NOT give anything by mouth to an unconscious person.

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## 5. FIRE FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	As for surrounding fire.
<u>Hazards from combustion products:</u>	Not combustible
<u>Precautions and equipment for fire fighters:</u>	As for surrounding fire.
<u>Hazchem code:</u>	None allocated.

## 6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and clean up:</u>	Spills should be carefully swept up and then shovelled into appropriately labelled containers. Disposal should be effected by an approved waste disposal organisation according to local regulations.
<u>Environmental precautions:</u>	Do not allow to enter into drains, sewers or waterways.

## 7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Wear personal protective equipment (PPE) as per Section 8. Provide for good ventilation. Avoid inhalation of dust.
<u>Conditions for safe storage:</u>	Keep containers tightly closed; store under cool dry conditions. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ventilation:</u>	Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.
<u>Exposure Standards</u>	Silica, Crystalline - Quartz (14808-60-7) ES-TWA: 0.1 mg/m <sup>3</sup> (Silica Quartz, respirable, NOHSC) ES-TWA#: 0.1 mg/m <sup>3</sup> (QLD); 0.15 mg/m <sup>3</sup> (NSW) WES-TWA: 0.2 mg/m <sup>3</sup>
<u>Personal Protective Equipment (PPE):</u>	
<u>Respiratory protection:</u>	At high dust levels, wear a Class P3 (Particulate) respirator or a Powered Air Purifying Respirator (PAPR) with Class P3 (Particulate) filter. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator.
<u>Glove type (AS2161):</u>	Impervious or other gloves to prevent abrasion if desired.
<u>Eye protection:</u>	Chemical worker's goggles, well fitting safety glasses or full face shield.
<u>Clothing:</u>	No special clothing required but overalls or other suitable industrial clothing which provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.
<u>Other:</u>	Use barrier creams to protect skin from contact with the material. Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Off white to yellow granular powder
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<u>Odour:</u>	Odourless
<u>pH:</u>	Not applicable.
<u>Explosion Limit:</u>	Not applicable
<u>Solubility in water:</u>	Insoluble.
<u>Specific gravity:</u>	ca 2.65
<u>Melting point:</u>	> 1600°C
<u>Flash point:</u>	Not applicable

## 10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Normally stable when stored in original sealed containers in cool dry conditions. Not sensitive to mechanical impact.
<u>Incompatible materials:</u>	Hydrofluoric acid, strong alkalis.
<u>Hazardous decomposition products:</u>	None known.
<u>Hazardous reactions:</u>	None known.

## 11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	Avoid eye contact or dust inhalation. This product has the potential to cause acute and chronic health effects. Crystalline silica can cause silicosis (lung disease) with chronic over exposure. Crystalline silica is classified as carcinogenic to humans (IARC Group 1).
<u>Inhalation:</u>	Unlikely for majority of material. Dust may cause silicosis.
<u>Eyes:</u>	Mechanical damage from hard or sharp particles.
<u>Skin contact:</u>	No sensitization known. Mechanical abrasions possible.
<u>Ingestion:</u>	May cause physical discomfort.
<u>Toxicity Data:</u>	Silica, Crystalline - Quartz (14808-60-7) Carcinogenicity: Classified as a human carcinogen (IARC Group 1) Health Surveillance: Required [NOHSC:1005(1994)]

## 12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into drains, sewers or waterways. Degradability not determined.
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## 13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Ensure containers are sealed. Avoid dust generation. Dispose of to an approved land fill site. Refer to Waste Management Authority.
<u>Special precautions for landfill or incineration:</u>	None known

## 14. TRANSPORT INFORMATION

<u>UN number:</u>	None allocated
<u>UN proper shipping name:</u>	None allocated.
<u>Dangerous goods class:</u>	None allocated

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<u>Subsidiary risk:</u>	None allocated
<u>EPG card:</u>	None allocated
<u>Packing group:</u>	None allocated
<u>Hazchem code:</u>	None allocated
<u>Poisons schedule:</u>	None allocated

## 15. REGULATORY INFORMATION

<u>Hazard Designation</u>	Silica, Crystalline Quartz – Human Carcinogen.
<u>Risk phrase(s):</u>	None allocated
<u>Safety phrase(s):</u>	None allocated

## 16. OTHER INFORMATION

Reason for issue: Update health and safety data. New product code due to change of company to BASF and BASF system..

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.