



# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 02.05.2016

Revision: 02.05.2016

**1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY**

**Product Name:** HARD FINISH PLASTER

**Recommended Use of the Chemical and Restriction on Use:** Plaster

**Details of Manufacturer or Importer:**

USG Boral Building Products Pty Limited (ACN 004 231 976)  
 251 Salmon Street  
 Port Melbourne VIC 3207

**Phone Number:** 03 9214 2138

**Emergency telephone number:** National Poison Information Centre: 13 11 26

**2 . HAZARDS IDENTIFICATION**

**Hazardous Nature:**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

**Signal Word** Void

**Hazard Statements** Void

**3 . COMPOSITION AND INFORMATION ON INGREDIENTS**

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

<b>Hazardous Components:</b>		
1330-43-4	Sodium borate ⚠ Repr. 1B, H360	<1%
65997-15-1	Cement, portland, chemicals ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	<0.1%
14808-60-7	Quartz (SiO <sub>2</sub> )	< 0.01%

**4 . FIRST AID MEASURES**

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: May cause irritation of the nose and throat and coughing.

Skin Contact: May cause skin irritation, redness, pain and rash.

Eye Contact: May cause eye irritation, lacrimation, pain and redness.

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Ingestion: May cause gastrointestinal irritation, nausea, vomiting, headache and diarrhoea.

**Medical Attention and Special Treatment:**

Drinking glycerin, gelatin solutions, or large volumes of water may delay the hardening of this product in the stomach. Surgical relief of obstruction may be required.

### 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**

Non flammable.

Hazardous combustion products include oxides of sulphur.

Use water fog to cool fire exposed containers and nearby storage areas.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Clean the area using an industrial vacuum cleaner. Wet mopping and wiping is acceptable if vacuuming is not workable. Reuse where possible. Avoid generating dust.

Remove promptly all visible waste materials to avoid being trampled and spread about, place in plastic bags or other containers which prevent fibre and/or dust emission, and dispose of in accordance with local waste disposal authority requirements.

### 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Care should be taken to minimise dust release when opening boxes or bags. Where possible, material should be ordered in a form and shape which requires a minimum of cutting and handling on site. Hand tools should always be used in preference to power tools in any site processing. If power tools are used, these should be fitted with exhaust extraction at the point of dust generation, or other effective local extraction.

Materials should be used and handled in a wet, rather than dry form where workable. Work areas should be cleaned regularly to remove any build up of fibres and/or dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment regularly, separate from other laundry to avoid cross-contamination and subsequent skin irritation of non-workers. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep containers tightly closed when not in use and protected from physical damage. Protect from heat, sparks, open flames and other ignition sources. Keep away from aluminium, diazomethane and phosphorus and oxidising agents.

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## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Standards:</b>	
<b>65997-15-1 Cement, portland, chemicals</b>	
NES	TWA: 10 mg/m <sup>3</sup>
<b>1330-43-4 Sodium borate</b>	
NES	TWA: 1 mg/m <sup>3</sup>
<b>14808-60-7 Quartz (SiO<sub>2</sub>)</b>	
NES	TWA: 0.1 mg/m <sup>3</sup> respirable dust

**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

**Respiratory Protection:**

Class L for protection against mechanically generated particulates (dusts and mists) i.e particles generated from operations such as grinding, blasting, spraying and powder mixing, for example, SMF, asbestos, silica, caustic mist and lead.

Airline respirators and powered air-purifying respirators can offer a very high level of respiratory protection. When operated in the positive pressure demand mode these respirators generally reduce problems of poor facial seal. These respirators are usually only required for the most dusty operations or where there are high concentrations of other toxic materials such as crystalline silica or asbestos.

**Skin Protection:**

PVC or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Low odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	7.0 - 8.0
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable

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<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	~0.73 g/cm <sup>3</sup> (bulk)
<b>Relative Density:</b>	2.6 - 2.7
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	0.2 %

### 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames and other ignition sources.

**Incompatible Materials:**

Aluminium (when heated), diazomethane, phosphorus (at high temperatures) and oxidising agents.

**Hazardous Decomposition Products:** Sulphur oxides.

### 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:**

**14808-60-7 Quartz (SiO<sub>2</sub>)**

Inhalation	LCLo	300 µg/m <sup>3</sup> /10 years (human)
	TCLo	16 000 000 particles/ft <sup>3</sup> /8 hrs (human) (human-fibrosis)

**Acute Health Effects**

**Inhalation:** May cause irritation of the nose and throat and coughing.

**Skin:** May cause skin irritation, redness, pain and rash.

**Eye:** May cause eye irritation, lacrimation, pain and redness.

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting, headache and diarrhoea.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:**

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as a Group 1 - Carcinogenic to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:**

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The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica cause silicosis, a debilitating lung disease. The crystalline silica dust is practically insoluble in body fluids and can be deposited in lungs. Cigarette smoking can reduce the clearance of crystalline silica. The data indicate that the relative lung cancer risk is increased for people with silicosis.

**Existing Conditions Aggravated by Exposure:** No information available

### 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** Not expected to cause any adverse effects to plants or animals based on the main components.

**Aquatic toxicity:** No information available

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

### 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 . TRANSPORT INFORMATION

**UN Number** Not regulated

**Proper Shipping Name** Not regulated

**Dangerous Goods Class** Not regulated

**Packing Group:** Not regulated

### 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

10034-76-1	Calcium sulfate hemihydrate
1330-43-4	Sodium borate
10101-41-4	Calcium sulfate, dihydrate
65997-15-1	Cement, portland, chemicals
14808-60-7	Quartz (SiO <sub>2</sub> )

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not a scheduled poison.

### 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 02.05.2016

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

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Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Skin Sens. 1: Skin sensitisation, Hazard Category 1  
Repr. 1B: Reproductive toxicity, Hazard Category 1B  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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