



Printing date 19.02.2014

# SAFETY DATA SHEET

According to Safe Work Australia

Revision: 19.02.2014

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** THOR WHO60 GROUT POWDER

**Recommended Use of the Chemical and Restriction on Use:** Construction grout powder.

**Details of Manufacturer or Importer:**

The WDS Group Pty Ltd  
1357 The Horsley Drive  
Wetherill Park NSW 2164

**Phone Number:** + 61 2 8788 8000

**Emergency telephone number:** + 61 2 8788 8000

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

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.

P321 Specific treatment (see on this label).

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

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P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

**Chemical Characterization: Mixtures**

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

**Hazardous Components:**

14808-60-7	Quartz (SiO <sub>2</sub> ) ☠ STOT RE 2, H373	30-60%
65997-15-1	Cement, portland, chemicals ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	30-60%

**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. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**5. FIRE FIGHTING MEASURES**

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

**Specific Hazards Arising from the Chemical:**

Non-combustible solid.

Hazardous combustion products include carbon dioxide and calcium oxide. At higher temperatures (above 870 °C) crystalline silica can change structure to form cristobalite, which has greater health hazards.

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

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

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

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

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### 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:

Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Never use compressed air. Avoid generating dust. Collect in suitable, closed containers for subsequent disposal. Do not breathe dust. Ensure adequate ventilation.

## 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. 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 before storage or re-use. 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 container tightly closed when not in use. Protect from moisture. Keep away from strong acids, ammonium salts and water.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

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

NES TWA: 0.1 mg/m<sup>3</sup>  
respirable dust

#### 65997-15-1 Cement, portland, chemicals

NES TWA: 10 mg/m<sup>3</sup>

### Engineering Controls:

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

### Personal Protective Equipment (PPE):

#### Respiratory Protection:

Where an inhalation risk exists, wear a Safe Work Australia approved dust/particulate filter respirator. See Australian Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

Impervious gloves (laminated film, nitrile, neoprene) and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

#### Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Form:</b>	Powder
<b>Colour:</b>	Grey
<b>Odour:</b>	No information available
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	>11
<b>Melting point/Melting range:</b>	No information available

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<b>Initial Boiling Point/Boiling Range:</b>	Not applicable
<b>Flash Point:</b>	Not applicable.
<b>Flammability:</b>	Non-combustible solid.
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable.
<b>Relative Density at 20 °C:</b>	1.5 g/cm <sup>3</sup>
<b>Vapour Density:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not applicable.
<b>Solubility in Water:</b>	Slightly soluble

## 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:** Moisture.

**Incompatible Materials:** Strong acids, ammonium salts and water.

**Hazardous Decomposition Products:** Carbon dioxide and calcium oxide.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

**Acute Health Effects**

**Inhalation:** May cause respiratory irritation, coughing and sneezing.

**Skin:** Causes skin irritation.

**Eye:** Causes serious eye damage, stinging, tearing, severe pain and possible permanent corneal damage.

**Ingestion:**

May cause gastrointestinal irritation, nausea, vomiting and chemical burns to the mouth, throat and stomach.

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitisation:** Sensitization possible through skin contact.

**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 Group 1 - Carcinogenic to humans.

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

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.

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

May cause damage to organs through prolonged or repeated exposure.

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

**Chronic Health Effects:**

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Prolonged or repeated exposure may cause skin dryness and cracking, itching, redness and blisters.  
Prolonged or repeated exposure to high concentrations of crystalline silica may result in silicosis, a disabling pulmonary disease characterized by a dry cough, shortness of breath, emphysema, decreased chest expansion and increased susceptibility to tuberculosis.

**Existing Conditions Aggravated by Exposure:** Respiratory conditions.

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available

**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  
**ADG, IMDG, IATA** Void

**Proper Shipping Name** Not regulated  
**ADG, IMDG, IATA** Void

**Dangerous Goods Class** Not regulated  
**ADG Class:** Void

**Packing Group:** Not regulated  
**ADG, IMDG, IATA** Void

**Marine pollutant:** No

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

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

65997-15-1 Cement, portland, chemicals

## 16 . OTHER INFORMATION

**Creation Date:** 19.02.2014

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

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

**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

IARC: International Agency for Research on Cancer

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STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
NES: National Exposure Standard

### **Disclaimer**

This MSDS 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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