

# POUR & LEVEL – Self Levelling Compound

## Material Safety Data Sheet



### Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product Identifier

Product Name                      POUR & LEVEL  
Synonyms                            None

#### 1.2 Uses and Uses Advised Against

Use(s)                                A high strength cement based compound used for levelling concrete floors. Use in accordance to the manufacturer's directions.

#### 1.3 Details of the Supplier and the Product

Supplier Name                      Soudal Australia Pty Ltd  
Address                                1/29 Prince William Drive, Seven Hills NSW 2147  
Telephone                            1300 50 70 11  
Email                                    [soudalinfo@soudal.com.au](mailto:soudalinfo@soudal.com.au)  
Website                                [www.soudal.com.au](http://www.soudal.com.au)

#### 1.4 Emergency Telephone Numbers

Emergency                            1300 50 70 11 (7-5pm Monday to Friday EST)  
Emergency (A/H)                    13 11 26 (Poisons Information Centre)

### Section 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS classification(s)**    Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2  
                                      Serious Eye Damage / Eye Irritation: Category 2A  
                                      Skin Corrosion/Irritation: Category 2  
                                      Specific Target Organ Systemic Toxicity (Single Exposure): Category 3

#### 2.2 Label elements

Signal word                            **WARNING**

Pictogram(s)



#### Hazard statement(s)

H315                                Causes skin irritation.  
H319                                Causes serious eye irritation.  
H335                                May cause respiratory irritation.  
H373                                May cause damage to organs through prolonged or repeated exposure

#### Prevention statement(s)

P260                                Do not breathe dust/fume/gas/mist/vapours/spray.  
P264                                Wash thoroughly after handling.  
P271                                Use only outdoors or in a well-ventilated area.  
P280                                Wear protective gloves/protective clothing/eye protection/face protection.

#### Response statement(s)

P302 + P352                      IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340                      IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338            IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P314                                Get medical advice/attention if you feel unwell.  
P321                                Specific treatment is advised - see first aid instructions.  
P362                                Take off contaminated clothing and wash before re-use.

**Storage statement(s)**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Disposal statement(s)**

P501 Dispose of contents/container in accordance with relevant regulations.

**2.3 Other hazards**

No information provided.

## **Section 3. COMPOSITION / INFORMATION ON INGREDIENTS**

### **3.1 Substances / Mixtures**

Ingredients	CAS Number	EC Number	Content
Portland Cement	65997-15-1	266-043-4	40 to 60%
Calcium Carbonate	1317-65-3		Up to 5%
Synthetic Additives			5% to 10%
Quartz Sands			35 to 45%
Quartz (Crystalline Silica)	14808-60-7	238-878-4	<1%
Non-hazardous Ingredients	Not Available	Not Available	Remainder

**Ingredient Notes**

1. Depending upon the source material, may contain varying amounts of respirable quartz (crystalline silica).
2. Chromium VI is a trace impurity in Portland Cement (< 20 ppm).

## **Section 4. FIRST AID MEASURES**

### **4.1 Description of first aid measures**

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).  
If swallowed, do not induce vomiting.

**First aid facilities** Eye wash facilities and safety shower should be available.

### **4.2 Most important symptoms and effects, both acute and delayed**

Irritating to the eyes, skin and respiratory system. Chronic over exposure to silica quartz dust may result in silicosis (lung disease). Principal symptoms of silicosis are coughing and breathlessness. Some individuals may exhibit an allergic response upon exposure to this product, possibly due to the trace amounts of chromium present. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).

### **4.3 Immediate medical attention and special treatment needed**

Treat as for moderate to strong alkali and symptomatically.

## **Section 5. FIRE FIGHTING MEASURES**

### **5.1 Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

### **5.2 Special hazards arising from the substance or mixture**

Non-flammable. May evolve toxic gases if strongly heated

### **5.3 Advice for firefighters**

No fire or explosion hazard exists.

### **5.4 Hazchem code**

None allocated.

## **Section 6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate

### **6.2 Environmental precautions**

Prevent product from entering drains and waterways.

### **6.3 Methods of cleaning up**

Contain spillage, then collect and place in suitable containers for reuse or disposal. Avoid generating dust.

### **6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

## **Section 7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

### **7.3 Specific end use(s)**

No information provided.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Portland cement	SWA (AUS)	-	10	-	-
Quartz (respirable Dust)	SWA (AUS)	-	0.1	-	-
Calcium carbonate	SWA (AUS)	-	10	-	-

#### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

#### PPE

<b>Eye / Face</b>	Wear safety glasses or dust-proof goggles when handling material to avoid contact with eyes.
<b>Hands</b>	Wear PVC, rubber or cotton gloves when handling material to prevent skin contact.
<b>Body</b>	Wear long sleeved shirt and full-length trousers.
<b>Respiratory</b>	Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site specific risk assessment



## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	LIGHT GREY POWDER	<b>Solubility (water)</b>	< 10 g/L
<b>Odour</b>	SLIGHT ODOUR	<b>Vapour pressure</b>	NOT AVAILABLE
<b>Flammability</b>	NON FLAMMABLE	<b>Upper explosion limit</b>	NOT RELEVANT
<b>Flash point</b>	NOT RELEVANT	<b>Lower explosion limit</b>	NOT RELEVANT
<b>Boiling point</b>	NOT AVAILABLE	<b>Partition coefficient</b>	NOT AVAILABLE
<b>Melting point</b>	> 1200°C	<b>Auto ignition temperature</b>	NOT AVAILABLE
<b>Evaporation rate</b>	NOT AVAILABLE	<b>Decomposition temperature</b>	NOT AVAILABLE
<b>pH</b>	11 to 13	<b>Viscosity</b>	NOT AVAILABLE
<b>Vapour density</b>	NOT AVAILABLE	<b>Explosive properties</b>	NOT AVAILABLE
<b>Specific gravity</b>	1.2 to 1.3 kg/l	<b>Oxidising properties</b>	NOT AVAILABLE
		<b>Odour threshold</b>	NOT AVAILABLE

### 9.2 Other information

**Density** 1200 kg/m<sup>3</sup> to 1300 kg/m<sup>3</sup> (Bulk)

## **Section 10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

### **10.2 Chemical stability**

Stable under recommended conditions of storage.

### **10.3 Possibility of hazardous reactions**

Hazardous polymerization is not expected to occur.

### **10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

### **10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), ethanol, acids (e.g. hydrofluoric acid) and interhalogens (e.g. chlorine trifluoride). Water contact may increase product temperature 2°C to 3°C.

### **10.6 Hazardous decomposition products**

May evolve toxic gases if heated to decomposition.

## **Section 11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

<b>Acute toxicity</b>	No known toxicity data is available for this product. Based on available data, the classification criteria are not met.
<b>Skin</b>	Irritating to the skin. Contact with powder or wetted form may result in irritation, rash and dermatitis.
<b>Eye</b>	Irritating to the eyes. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
<b>Sensitization</b>	This product is not classified as a skin or respiratory sensitiser. However, some individuals may exhibit an allergic response upon exposure to cement, possibly due to trace amounts of chromium.
<b>Mutagenicity</b>	Insufficient data available to classify as a mutagen
<b>Carcinogenicity</b>	This product contains crystalline silica which is classified as carcinogenic to humans (IARC Group 1). However, there is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce the cancer risk. Hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1), however due to the trace amounts present, the criteria for classification is not met.
<b>Reproductive</b>	Insufficient data available to classify as a reproductive toxin.
<b>STOT - single exposure</b>	Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, coughing. High level exposure may result in breathing difficulties.
<b>STOT – repeated exposure</b>	Repeated exposure to respirable silica may result in pulmonary fibrosis. Silicosis is a fibronodular lung disease caused by deposition in the lungs of fine respirable particles of crystalline silica. Principal symptoms of silicosis are coughing and breathlessness. In the wet state, the likelihood of an inhalation hazard is reduced.
<b>Aspiration</b>	This product is a solid and aspiration hazards are not expected to occur.

## **Section 12. ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

May be harmful to the aquatic environment due to the alkaline nature of the product. This product is non-toxic to aquatic organisms when present as a cured solid.

### **12.2 Persistence and degradability**

Product is persistent and would have a low degradability

### **12.3 Bioaccumulative potential**

This product is not expected to bioaccumulate.

### **12.4 Mobility in soil**

A low mobility would be expected in a landfill situation.

### **12.5 Other adverse effects**

Avoid contamination of drains and waterways.

## **Section 13. DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

<b>Waste disposal</b>	Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required)
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

## **Section 14. TRANSPORTATION INFORMATION**

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>14.1 UN Number</b>	None Allocated	None Allocated	None Allocated
<b>14.2 Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>14.3 Transport hazard class</b>	None Allocated	None Allocated	None Allocated
<b>14.4 Packing Group</b>	None Allocated	None Allocated	None Allocated

### **14.5 Environmental hazards**

No information provided

### **14.6 Special precautions for use**

**Hazchem code** None Allocated

## Section 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals
Hazard codes	Xi Irritant Xn Harmful
Risk phrases	R36/37/38 Irritating to eyes, respiratory system and skin.
R48/20 Harmful:	danger of serious damage to health by prolonged exposure through inhalation
Safety phrases	S22 Do not breathe dust.
S24/25	Avoid contact with skin and eyes.
S36/37	Wear suitable protective clothing and gloves.

**Inventory listing(s) AUSTRALIA:** AICS (Australian Inventory of Chemical Substances)  
All components are listed on AICS, or are exempt.

## Section 16. OTHER INFORMATION

### Additional information

#### 16.1 PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### 16.2 HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

#### 16.3 Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT	RE Specific target organ toxicity (repeated exposure)
STOT	SE Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons SWA Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

## 16.4 Revision history

Revision	Description
2.0	Converted to GHS 26/9/16
1.0	Initial release 10/2/2016

## 16.5 Report status

This document has been compiled by the manufacturer, importer or supplier of the product and serves as their Material Safety Data Sheet ('MSDS').

The information presented herein is based on data considered to be accurate as of the date of preparation of this MSDS. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorisation given or implied to practice any patented invention without a licence. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, without a risk assessment for safe use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the products.

This Material Safety Data Sheet (MSDS) applies only to the formulated material as supplied by Soudal Australia Cement. It does not apply where the formulation has been altered. In this case a new MSDS may be required to reflect the modified material. Contact Soudal for further information.

Printed documents are uncontrolled. Refer to [www.soudal.com.au](http://www.soudal.com.au) regularly for a more recent copy of the MSDS where it exists.

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**End MSDS**