

# Safety Data Sheet

Eziline Part A



## 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** EZILINE® Part A

Recommended use: Mortar

**Supplier:** Steel Mains Pty Ltd

**ABN:** 73 004 843 056

**Street Address:** 125- 175 Patullos Lane, Somerton, VIC, 3062 Australia

**Telephone:** + 613 9217 3110

**Facsimile:** + 613 0305 3953

**Website:** [www.steelmain.com](http://www.steelmain.com)

**Emergency telephone number:** 13 11 26 (Poisons Information Centre)

## 2: HAZARDOUS INFORMATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

#### **Physical Hazards**

Not classified as a Physical Hazard

#### **Health Hazards**

Skin Corrosion/Irritation: Category 2

Serious Eye Damage / Eye Irritation: Category 1

Specific Target Organ Systemic Toxicity (Single Exposure): Category 3 (Respiratory Irritation)

Carcinogenicity: Category 1

Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2

#### **Environmental Hazards**

Not classified as an Environmental Hazard

### 2.2 GHS Label elements

**Signal word**

**DANGER**

**Pictogram(s)**



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### Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H350i	May cause cancer by inhalation
H373	May cause damage to organs through prolonged or repeated exposure.

### Prevention statement(s)

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
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.

### Response statement(s)

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.
P308 + P313	IF exposed or concerned: Get medical advice/attention
P310	Immediately call a POISON CENTRE.
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.
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### 2.3 Other hazards

No information provided.

## 3: COMPOSITION INFORMATION

Name	CAS Number	EC Number	PROPORTION (%)
Quartz (Crystalline Silica)	14808-60-7	238-878-4	45 - 65
Calcium Oxide	1305-78-8	215-138-9	< 5
Portland Cement	65997-15-1	266-043-4	10 - 30
Slags, Ferrous metal, Blast Furnace	65996-69-2	266-002-0	10 - 30

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Name	CAS Number	EC Number	PROPORTION (%)
Hexavalent Chromium	18540-29-9	-	< 0.002
Limestone (Calcium Carbonate)	1317-65-3	215-279-6	< 7.5
Gypsum	13397-24-5	603-783-2	< 5
Ashes (Residues)	68131-74-8	268-627-4	< 7.5
Magnesium Oxide	1309-48-4	215-171-9	< 5

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

## 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 symptomatically.

## 5: FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

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### **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.

## **6: ACCIDENTAL RELEASE MEASURE**

### **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.

## **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.

## **8: EXPOSURE CONTROLS AND PERSONNEL PROTECTION**

### **8.1 Control parameters**

#### **Exposure standards**

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Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Calcium Carbonate (Limestone, Marble, Whiting)	SWA (AUS)	-	10	-	-
Calcium Oxide	SWA (AUS)	-	2	-	-
Calcium Oxide	SWA [proposed]	-	1	-	-
Chromium VI (as Cr)	SWA [proposed]	-	7E-6	-	-
Chromium VI compounds (as Cr)	SWA (AUS)	-	0.05	-	-
Gypsum (Calcium Sulfate)	SWA (AUS)	-	10	-	-
Magnesium Oxide (fume)	SWA (AUS)	-	10	-	-
Portland cement	SWA (AUS)	-	10	-	-
Quartz (respirable dust)	SWA (AUS)	-	0.1	-	-
Quartz (respirable dust)	SWA [proposed]	-	0.05	-	-
Quartz (respirable dust)	Worksafe VIC	-	0.05	-	-

## 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 inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

### PPE

#### Eye/Face

Wear safety glasses or dust-proof goggles when handling material to avoid contact with the eyes.

#### Hands

Wear PVC, rubber, or cotton gloves when handling material to prevent skin contact.

#### Body

Wear long sleeved shirt and full length trousers.

#### Respiratory

Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site specific risk assessment



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance:**

Grey to off-white powder

**Odour:**

Light sweet odour

**Flammability**

Non Flammable

**Flash Point (°C):**

Not relevant

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Boiling point	Not available
Melting point	> 1200°C
Evaporation rate	Not available
PH:	11 to 13
Vapor density:	Not available
Specific Gravity (20 °C):	2.9 to 13
Solubility (water):	< 10g/L
Vapour pressure	Not available
Upper explosion limit	Not relevant
Lower explosion limit	Not relevant
Partition coefficient	Not available
Autoignition temperature	Not available
Decomposition Point (°C):	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available
Odour threshold	Not available

## 9.2 Other Information

Density 1100 kg/m<sup>3</sup> to 1500 kg/m<sup>3</sup> (Bulk)

## 10: SUITABILITY AND REACTIVITY

### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6

### 10.2: Chemical stability

Stable under recommended storage conditions

### 10.3: Possibility of hazardous reactions

Hazardous polymerisation 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 by 2°C to 3°C

### 10.6: Hazardous decomposition products

May evolve toxic gases if heated to decomposition

## 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** No known toxicity data is available for this product. Based on the available data, the classification criteria are not met

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### Information available on the ingredients:

Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)
Limestone (Calcium Carbonate)	> 5000 mg/kg (rat)	-	-

- Skin** Irritating to the skin. Contact with powder or wetted form may result in irritation, rash and dermatitis.
- Eye** Causes serious eye damage. Contact with moisture in the eyes may result in irritation, lacrimation, pain, redness, conjunctivitis, and possible alkaline burns aided by mechanical irritation and abrasion.
- Sensitization** This product is not classified as a skin or respiratory sensitizer. However, some individuals may exhibit an allergic response upon exposure to cement, possibly due to trace amounts of chromium.
- Mutagenicity** Insufficient data available to classify as a mutagen.
- Carcinogenicity** This product contains crystalline silica and trace amounts of hexavalent chromium compounds which are classified as carcinogenic to humans (IARC Group 1). However, there is sufficient information to conclude that the relative risk of lung cancer from exposure to crystalline silica is increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce the cancer risk.
- Reproductive** Insufficient data to classify as a reproductive toxin.
- STOT – single exposure** Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties.
- STOT – repeated exposure** Repeated exposure to respirable silica may result in pulmonary fibrosis (silicosis). Silicosis is a fibronodular lung disease caused by disposition in the lungs of fine respirable particles of crystalline silica. Principle symptoms of silicosis are coughing and breathlessness. In the wet state, the likelihood of an inhalation hazard is reduced.
- Aspiration** This product is a solid and aspiration hazards are not expected to occur.

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### 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 in the cured solid.

#### 12.2 Persistence and degradability

Product is persistent and would have 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 release to drains and waterways

### 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste Disposal** 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)

**Legislation** Dispose of in accordance with relevant local legislation

### 14: TRANSPORT 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



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### 14.5 Environmental Hazards

No information provided.

### 14.6 Special precautions for user

Hazchem code     None Allocated

## 15: REGULATORY INFORMATION

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

<b>Poison schedule</b>	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)
<b>Classifications</b>	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.
<b>Inventory listing(s)</b>	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed on AICS, or are exempt.

## 16: OTHER INFORMATION

<b>Additional Information</b>	<p><b>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:</b> The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, 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.</p> <p><b>HEALTH EFFECTS FROM EXPOSURE:</b> 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 report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.</p>
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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	
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)	
GHS	Globally Harmonized System	
GTEPG	Group Text Emergency Procedure Guide	
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	

### Literary reference

This Safety Data Sheet has been prepared by the information supplied to Steel Mains PTY LTD from its supplier on behalf of its client.

This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Steel Mains Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to

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usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Steel Mains Pty Ltd.

Our responsibility for product as sold is subject to our standard terms and conditions of which is sent to our customers and is also available upon request.

Reason(s) For Issue: Amendments made to contents based on supplier information and in response to GHS requirements

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