

# Material Safety Data Sheet

## Straitline Marking Chalk Blue

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

**Product Name:** Straitline Marking Chalk Blue

**Other Names:** Sodium Aluminium Sulfosilicate, Pigment Blue 29, C.I. 77007

**Recommended use:** Blue pigment for line marking applications.

**Supplier:** Irwin Industrial Tool Company Pty Ltd  
**ABN:** 30 005 543 966  
**Address:** 2 National Drive  
Lyndhurst VIC 3975  
Australia

**Telephone:** +61 8 9277 5277 (WA) or +61 3 8787 3888 (all other states)

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**Emergency Phone:** (08) 9277 5277 (WA: 8.30 am – 5 pm) or (03) 8787 3888 (Vic: 8 am – 6 pm)

### 2. HAZARDS IDENTIFICATION

#### NON-HAZARDOUS SUBSTANCE – NON-DANGEROUS GOOD

**DG Class:** None allocated

**Subsidiary Risk:** None allocated

**Packing Group:** None allocated

**Risk phrases:** None allocated

**Safety phrases:** None allocated

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity	CAS Number	Proportion
C.I. Pigment Blue 29	57455-37-5	100 % by weight

All components in this product are listed on the Australian Inventory of Chemical Substances (AICS).

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### 4. FIRST AID MEASURES

A low hazard solid. Inhalation of dust may cause slight, temporary breathing difficulties.

**Swallowed:** Not considered a normal route of exposure. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by a physician. Adverse effects not anticipated.

**Eye:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical advice.

**Skin:** Immediately wash skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and thoroughly clean before re-use. Seek medical advice.

**Inhaled:** Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing difficulties are experienced, give oxygen. Seek medical advice.

**Notes to doctor:** Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

**Specific hazards:** Non-combustible solid. Will not burn in a fire. Not considered to be a fire hazard.

**Extinguishing media:** Water, dry chemical foam or alcohol-resistant foam. Use extinguishing agents appropriate for surrounding combustible materials.

**Fire fighting procedures:** As with any fire, wear full protective clothing and approved self-contained breathing apparatus with full face-mask. If safe to do so, remove containers from path of fire. Continue to cool fire exposed containers with water until well after flames are extinguished.

**Hazardous Decomposition Products:** Sulfur dioxide gas may be released.

**Hazchem Code:** None allocated

### 6. ACCIDENTAL RELEASE MEASURES

Take precautionary measures against static discharges. Evacuate all personnel from the affected area. Ventilate area well and ensure appropriate personal protective equipment is worn. Refer Section 8. Sweep or scoop up all spills and place in suitable marked containers for re-use or disposal. Advise the appropriate authorities if any material has leaked into drains, waterways, sewer, etc.

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### 7. HANDLING AND STORAGE

**Handling:** Avoid breathing dust. Avoid contact with skin and eyes. Wash hands and face thoroughly after handling product. Keep container tightly closed. Wear appropriate personal protective equipment as specified in Section 8.

**Storage:** Store in a tightly closed container in a cool, dry location. Ensure storage area is well-ventilated. Keep containers closed at all times – check regularly for leaks. Do not smoke in areas of use or storage. Avoid dust generation. Store away from heat sources, combustible materials and moisture.

**Incompatibilities:** Hydrogen sulfide may be released in contact with acids.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### National occupational exposure standards

Substance	TWA		STEL		Carcinogen Category	Notices
Total dusts	--	10 mg/m <sup>3</sup>	None allocated	None allocated	None allocated	None allocated

As published by National Occupational Health and Safety Commission.

**Engineering controls:** Local exhaust ventilation and/or mechanical (dust) exhaust is recommended, provided these are fitted with flame and explosion proof electrical fittings. Keep containers tightly closed when not in use. Use adequate ventilation to keep airborne concentrations low.

#### Personal Protection

**Skin:** Avoid skin contact by the use of appropriate protective clothing and PVC gloves to prevent skin exposure.

**Eye:** Avoid eye contact by wearing eye protection, e.g. protective safety glasses with side-shields or chemical safety goggles.

**Respiratory:** Wear an approved disposable dust mask with filter class P1 or P2 if dust exposure is likely or expected.

Do not smoke while handling product. Ensure adequate ventilation. Ensure eyewash station and safety shower are readily available and tested regularly.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	blue solid with no odour
<b>Boiling Point:</b>	no data available
<b>Melting Point:</b>	> 1000°C
<b>Vapour pressure:</b>	not applicable
<b>Specific gravity:</b>	2.35 g/cm <sup>3</sup>
<b>Flash Point:</b>	non-flammable
<b>pH:</b>	7 – 9 (100 g/L)
<b>Flammability Limits:</b>	% by volume lower: not applicable % by volume upper: not applicable
<b>Autoignition temperature:</b>	no data available
<b>Solubility in water:</b>	insoluble
<b>Vapour Density:</b>	not applicable

### 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal temperatures and pressures.
<b>Hazardous polymerization:</b>	None.
<b>Incompatible materials:</b>	Hydrogen sulfide may be released into contact with acids.
<b>Conditions to avoid:</b>	Sulfur dioxide gas is released at temperatures above 400°C.
<b>Hazardous decomposition products:</b>	Sulfur dioxide, hydrogen sulfide.

### 11. TOXICOLOGICAL INFORMATION

**Swallowed:** Not considered a likely route of exposure. May cause harmful effects if large amounts are ingested. May also cause gastrointestinal tract irritation with nausea, vomiting and diarrhoea.

**Eye:** Contact with eyes may cause slight, temporary irritation.

**Skin:** Contact with skin may cause slight, temporary irritation. May cause an allergic reaction in certain individuals.

**Inhaled:** Inhalation of dust may result in slight, temporary respiratory irritation.

**Chronic:** Prolonged or repeated exposure may cause severe irritation and dermatitis. Repeated inhalation of product may cause chronic bronchitis.

**Acute toxicity:**

LD<sub>50</sub>/oral/rat: > 10 g/kg

Carcinogenicity: Not a human carcinogen

Mutagenicity: Not mutagenic

Teratogenicity: Not teratogenic

Reproductive: Not toxic for reproduction

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

Toxicity to fish (acute): LC<sub>50</sub> >32000 mg/L

**Environmental fate:** This material is not expected to biodegrade when released into the soil. This material is not expected to significantly bioaccumulate.

**13. DISPOSAL CONSIDERATIONS**

Suitable for incineration by approved agent under controlled conditions if permitted by local authorities, otherwise disposal of containers and contents to approved landfill must be in accordance with local waste authority requirements. Product must not be disposed to sewerage systems, drains or waterways.

**14. TRANSPORT INFORMATION****Road and Rail Transport (Australian Dangerous Goods Code):**

**UN Number:** None allocated  
**Proper Shipping Name:** None allocated  
**Class:** None allocated  
**Hazchem Code:** None allocated  
**Packing Group:** None allocated

**Marine Transport (International Maritime Dangerous Goods Code):**

**UN Number:** None allocated  
**Proper Shipping Name:** None allocated  
**Class:** None allocated  
**Packing Group:** None allocated  
**Marine Pollutant:** No

**Air Transport (International Air Transport Association Dangerous Goods Regulations):**

**UN Number:** None allocated  
**Proper Shipping Name:** None allocated  
**Class:** None allocated  
**Subsidiary Risk:** None allocated  
**Packing Group:** None allocated  
**Limitations:** None

**15. REGULATORY INFORMATION**

**Classification:** Not classified as hazardous according to criteria of NOHSC.  
Not classified as a Dangerous Good according to criteria of the Australian Dangerous Goods Code.

**Poisons Schedule:** Not Scheduled

**Material Safety Data Sheet**  
**Straitline Marking Chalk Blue**

**16. OTHER INFORMATION**

This Material Safety Data Sheet has been prepared by Hodson & Associates Pty Ltd on behalf of Irwin Industrial Tool Company Pty Ltd.

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