

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product Name: Straitline Marking Chalk Red
Other Names: Iron Oxide Red, Pigment Red 101, C.I. 77491
Recommended use: Red pigment for line marking applications.
Supplier: Irwin Industrial Tool Company Pty Ltd
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Australia
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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 Red 101	1309-37-1	100 % by weight

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

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.

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: None identified.

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.

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: None identified.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**National occupational exposure standards**

Substance	TWA		STEL		Carcinogen Category	Notices
Total dusts	--	10 mg/m ³	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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	red solid with no odour
Boiling Point:	no data available
Melting Point:	no data available
Vapour pressure:	not applicable
Specific gravity:	4.90 g/cm ³
Flash Point:	non-flammable
pH:	not applicable
Flammability Limits:	% by volume lower: not applicable % by volume upper: not applicable
Autoignition temperature:	no data available
Solubility in water:	insoluble
Vapour Density:	not applicable

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal temperatures and pressures.
Hazardous polymerization:	None.
Incompatible materials:	Not applicable.
Conditions to avoid:	Dust generation, heat, combustible materials and moisture.
Hazardous decomposition products:	None.

11. TOXICOLOGICAL INFORMATION

Swallowed: Not considered a likely route of exposure. May cause harmful effects if large amounts are ingested.

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

Skin: Contact with skin may cause slight, temporary irritation.

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

Chronic: No adverse chronic health effects reported for industrial exposures.

Acute toxicity:

LD₅₀/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): LC₅₀ >10000 mg/L

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

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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