

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product Name: **MIDNIGHT BLACK CHALK - PERMANENT STAINING**

Other Names: "PERMANENT STAINING" BLACK CONSTRUCTION CHALK

Recommended use: Black pigment for marking applications.

Supplier: Irwin Industrial Tool Company Pty Ltd
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2. HAZARDS IDENTIFICATION**NON-HAZARDOUS SUBSTANCE – NON-DANGEROUS GOOD**

No known Hazardous components

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity	CAS Number	Proportion
Black Iron Oxide – Pigment Black 11	1317-61-9	78-82 %
Talc	14807-96-6	18-22 %
Silica (crystalline quartz)	14808-60-7	<1

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

4. FIRST AID MEASURES**Ingestion:** Not considered a normal route of exposure. Adverse effects not anticipated for small amounts.**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 to remove all product. Remove contaminated clothing and shoes and thoroughly clean before re-use. Seek medical advice in the event of irritation.**Inhaled:** Remove to fresh air immediately. If breathing difficulties are experienced, give oxygen. If not breathing, give artificial respiration. Seek medical advice if cough or other symptoms appear.**Notes to doctor:** Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Specific hazards: Product is produced to minimize dusting, but since most powdered products as dusts can form explosive mixtures with air, handle to avoid dusting conditions. Product not considered a fire hazard, but may burn or smolder if ignited.

Exposure to excessive heat (greater than 55°C) may cause this product to become unstable and slowly auto-oxidize, which generates additional heat. Under certain conditions, this heat may be sufficient to cause combustible materials stored nearby to ignite. The product may be quenched with water to stop the reaction.

Extinguishing media: Water, foam or alcohol-resistant foam and Carbon Dioxide

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.

Hazchem Code: None allocated

6. ACCIDENTAL RELEASE MEASURES

Take precautionary measures against static discharges. Ventilate area well and ensure appropriate personal protective equipment is worn.

Avoid skin contact by the use of appropriate protective clothing and PVC or rubber gloves to prevent skin exposure. Avoid eye contact by wearing eye protection, e.g. protective safety glasses with side-shields or chemical safety goggles. Wear an approved disposable dust mask with suitable filter.

Collect all spilt material and place in suitable marked containers for re-use or disposal.

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 at less than 55°C. Ensure storage area is well-ventilated. Keep containers closed at all times – check regularly for leaks. Avoid dust generation. Store away from heat sources, combustible materials and moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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 suitable filter.

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:	Black powder with no odour
Boiling Point:	no data available
Vapour pressure:	not applicable
Specific gravity:	no data available
Flash Point:	non-flammable
pH:	not applicable
Autoignition temperature:	no data available
Solubility in water:	0.3 % in water
Relative Density H₂O=1:	4.4 – 4.6

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal temperatures and pressures.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Hydrogen sulfide gas, sulfur dioxide, carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Ingestion: 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.

Ingestion: (Black Iron Oxide) Rat: LD50: >5,000 mg/kg.

Chronic toxicity/Carcinogenicity: Repeated and prolonged inhalation exposure to crystalline silica dust above exposure limits may cause delayed, chronic lung injury (silicosis). When the product is used as intended, dust levels should not exceed exposure limits.

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.

12. ECOLOGICAL INFORMATION

No significant harmful environmental effects are known

13. DISPOSAL CONSIDERATIONS

Dispose of according to controlled conditions permitted by local authorities. Disposal of containers and residues to approved landfill must be in accordance with local waste authority requirements. Refer instructions on label.

14. TRANSPORT INFORMATION

Road and Rail Transport (Australian Dangerous Goods Code):

Not Regulated

Marine Transport (International Maritime Dangerous Goods Code):

Not Regulated

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

Not Regulated

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

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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