



MATERIAL SAFETY DATA SHEET

ABILOX[®] RED IRON/MINERAL OXIDE BASED PIGMENT POWDER

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Products Included : Cherry Red, Foxglove, Granite Rose, Light Red 109,
Mid Red ACJ, Mid Red BBB-A1, Muscatel, Mushroom
Aubergine, Salmon Pink.

Recommended Use : Mineral oxide dry colour pigments for concrete, coatings, etc.

Supplier : Ability Building Chemicals Company

ACN : 007 247 289

Address : 133-135 Northern Rd, West Heidelberg, Victoria 3081

Telephone : 61 3 9457 6488

Facsimile : 61 3 9458 4683

Emergency Contact : 61 3 9457 6488

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE; NON-DANGEROUS GOOD

Hazard Category : Irritant

Risk Phrases : R36/37/38

Safety Phrases : S36

Class : Not applicable

Subsidiary Risk : Not applicable

Packing Group : Not applicable

Poison Schedule : Not scheduled

3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Identity</u> | <u>CAS No</u> | <u>Proportion</u> | <u>Hazard</u> |
|--------------------------|---------------|-------------------|---------------|
| Iron Oxide II | 1317-61-9 | 0 - 10% | Xi |
| Iron Oxide III | 1309-37-1 | 30 - 100% | Xi |

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4. FIRST AID

- Ingestion** : If swallowed and patient is conscious, wash out mouth with water and drink several glasses of water. DO NOT induce vomiting.
DO NOT give anything by mouth to unconscious patient.
Seek medical attention if irritation or discomfort occurs..
- Eye** : Immediately flush with fresh water for at least 15 minutes.
Ensure adequate flushing by separating eyelids with fingers.
Seek immediate medical attention.
- Skin** : Wash thoroughly with soapy water. Remove contaminated clothing and footwear and wash before reuse or storage.
Seek medical attention if irritation or discomfort occurs.
- Inhalation** : Move immediately to fresh air and if necessary apply artificial respiration. If breathing difficulty give oxygen.
Seek medical attention if irritation or discomfort occurs.
- First Aid Facilities** : Eyewash should be available in workplace.
- Advice to Doctor** : Treat symptomatically.

Poison Information centers in each State capital city can provide additional assistance for scheduled poisons. (Phone Australia 131 126)

5. FIRE FIGHTING MEASURES

- Fire/explosion hazard:** Product is not flammable.
- Fire Fighting advice** : Ensure use of SCBA units and full protective equipment to avoid contact with potential of metal fumes.
- Extinguishing Media:** Water spray, dry chemical, carbon dioxide or appropriate foam according to surrounding fire.
- Decomposition Products:** May include metal fumes in smoke, carbon monoxide and dioxide(from small component organic compounds).

6. ACCIDENTAL RELEASE MEASURES

- Spills and disposal** : Ensure protective overalls, gloves and safety goggles are worn by cleanup personnel. Approved respirators if needed.
Carefully sweep spillage together to allow collection.
Avoid raising dust.
Collect spillage into appropriately labeled containers for storage awaiting reuse or disposal via the local waste facility as per required legislation.
Thoroughly wash the area with water to complete.

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7. HANDLING AND TRANSPORT

Safe Handling : Store product in a dry area
Information : and ensure all containers are sealed when not in use.
Refer to product label.
Precautions for Use : Only to be used as per recommended use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards :
For Iron TLV (ACGIH) = 5 mg/m³

Engineering Controls: Ensure effective ventilation (exhaust and/or natural) at the workplace is adequate to avoid dust in the immediate vicinity.

Personal Protection : Wear full overalls, gloves and safety goggles when handling the product. Avoid skin and eye contact as well as inhalation. Always wash hands before eating, drinking, smoking or using the toilet.

Wash any contaminated clothing or protective equipment before reuse or storage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Dark to pale red coloured powder. No odour.
Specific Gravity : 3.6 – 5.4
Vapour Pressure : Not applicable
pH, @ 50 g/l : 4.5 – 7
Boiling Point : Not applicable
Melting Point : > 1000°C (softening)
Solubility : Insoluble in water.
Flash Point : Not applicable
Flammability Limits : Not flammable

10. STABILITY

Stability / Polymerisation: Stable

Incompatible materials and conditions

: Contains metal compounds – do not mix with strong acids or alkalis unless under controlled conditions. May react with strong oxidisers such as chlorates, bromates and nitrates. Avoid excessive heat and flame.

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11. Toxicological Information

No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Symptoms that may arise if the product is mishandled are –

Acute Effects:

Ingestion : If large quantities swallowed it may cause gastro-intestinal upset with nausea, vomiting and diarrhea.

Eye : May cause irritation to the cornea with resulting redness and pain to the eye. Physical damage may also occur due to particulate matter.

Skin : May cause mild irritation to the skin with prolonged contact.

Inhalation : If dust inhaled, may cause irritation to the throat and respiratory tract resulting in coughing and shortness of breath.

May also cause metal fume fever, which is characterised by flu-like symptoms with metallic taste, fever, chills, cough and chest pain.

Chronic Effects: Long term exposure to iron has resulted in mottling of the lungs – Siderosis. This is considered a benign pneumoconiosis and does not ordinarily cause significant physiological impairment.

Long term eye exposures may stain the eyes and leave “rust rings”.

Toxicology:

No data available.

No known carcinogenic, mutagenic or reproductive/developmental effects but it is considered that these materials have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Environmental Fate : Avoid contaminating waterways.

Aquatic Toxicity : No data available.

Terrestrial Toxicity : No data available.

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13. DISPOSAL CONSIDERATIONS

Dispose of the product as per local regulations.

Ensure containers are effectively cleared of product and disposed of according to local authority requirements.

14. TRANSPORT INFORMATION

Is not classified as a Dangerous Good by the Criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

UN Number : Not applicable
Proper Shipping Name : Not applicable
Class : Not applicable
Subsidiary Risk : Not applicable
Packing Group : Not applicable
Hazchem Code : Not applicable
Segregation Dangerous Goods: Not applicable

15. REGULATORY INFORMATION

Poison Schedule : Not scheduled.

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16. OTHER INFORMATION

Date of Preparation : 6 March 2004
Date of Revision (No) : 9 June 2009
Reason for Issue : Product range addition

This data sheet and health, safety and environmental information it contains has been prepared according to current regulatory requirements as at date of issue. The precautions and advice provided may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and comply with all applicable legislation. No statement made in this data sheet shall be construed as permission, a recommendation or authorisation given or implied to practice any patented invention without a valid licence. No company named in this document shall be responsible for any damage or injury resulting from abnormal use of the material from any failure to adhere to recommendations, or from hazards inherent in the nature of the material.

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