



A division of Firth Industries

SAFETY DATA SHEET

Dricon OxiTone™ DARK BROWN, LIGHT BROWN

100 Bollard Road
Tuakau
New Zealand
Telephone 0800 374 566

Issue date 27 August 2010

Section 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Product name: Dricon OxiTone™ DARK BROWN, LIGHT BROWN
Other names: Synthetic iron oxide brown pigments
Recommended uses: Colourant in cement based products
Company Details: Dricon, Firth Industries.
Address: 100 Bollard Rd., Tuakau.
Telephone Number: 0800 – 374 566
Hours: 8.00 am – 5.00 pm Monday to Friday

Emergency Telephone Number:
(07) 870 2024 8.00am to 5.00pm Monday to Friday except public holidays.
(0800) 764-766 24 hours.

National Poisons Centre,
Department of Preventative and Social Medicine,
University of Otago,
P O Box 913,
Dunedin,
New Zealand.

Date of Revision: 27th August 2010

Section 2: HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria in The Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

HSNO Approval Number: Not applicable

HSNO Approval Number: Not applicable

Hazard classification: Not applicable

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Ingredient name	CAS NO	Contents
Black iron oxide	12227-89-3 (Alternative 1317-61-9)	5 – 60%
Yellow iron oxide	51274-00-1	5 – 75%
Red iron oxide	1332-37-2	5 – 75%



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Section 4: FIRST AID MEASURES

- Ingested:** Emergency procedures not normally required, may be a temporary irritant to the gastrointestinal system if excessive quantities are ingested. Seek medical attention if irritation occurs
- Eye contact:** Immediately hold eyelids open, check for and remove any contact lenses. Flush eye with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs
- Skin:** Flush with copious quantities of water. Follow good hygiene practices and wash with mild soap and water after each exposure.
- Inhaled** Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. If coughing and irritation develops, seek medical attention
- Workplace facilities:** Eye wash, soap and water
- Advice to doctor:** Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

- Type of hazard:** Not classed as flammable
- Fire hazard properties:** No unusual fire or explosion hazards noted. This material is non-combustible but may be subject to slow oxidation if stored at temperatures above 60°C as a result of the presence of black oxide. If oxidation should occur, heat will be liberated which could cause surrounding combustibles to burn. Use extinguishing media appropriate for surrounding fire. Use water spray, fog or mist, Foam, Carbon dioxide, dry chemicals, sand, dolomite etc.
- Regulatory requirements:** Not applicable
- Extinguishing media and methods:** Not applicable
- Hazchem code for fire:** Not applicable
- Recommended protective clothing:** Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

- Spill clean up:** Wear respiratory protection. Recover for re-use where possible. Avoid contamination of waterways. Material may

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block drains and waterway. Shovel, sweep or vacuum material into container taking care to minimise dust. Wet down if necessary to control dust

Section 7: HANDLING AND STORAGE

- Handling:** Dust suppression and/or use of covers. No other special handling requirements.
- Storage:** Product is not stable if stored at temperatures above 60 °C due to the content of iron black oxide. Keep in cool, dry ventilated storage and in closed containers.
- Packaging:** Ensure packages are labelled, protected from physical damage and sealed when not in use.

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Workplace exposure standards:

- Dust:** 10mg/m³ inspirable dust (NZ WES – TWA)
3 mg/m³ respirable dust (NZ WES – TWA)

Engineering controls:

Ensure ventilation is sufficient to maintain air levels below the workplace exposure standards. HEPA filters are recommended where mechanical ventilation is required.

Personal protective equipment:

Respiratory protection should be worn if ambient levels exceed the exposure standard.
Recommended respirator selection depends on ambient levels refer to the OSH guide to respiratory protection.
Safety glasses or goggles. Contact lenses should not be worn when handling this material.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Fine brown powder
Solubility: Insoluble in water.
Specific gravity: Not available
Boiling point: Not available
Freezing point: Not available
Melting point: Not available
Flash point: None

Section 10: STABILITY AND REACTIVITY

- Stability:** Product is not stable if stored at temperatures above 60 °C due to the



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content of iron black oxide. Keep in cool, dry ventilated storage and in closed containers.
Conditions to avoid: Temperatures above 60 °C
Material to avoid: None.
Hazardous decomposition products: None.

Section 11: TOXICOLOGICAL INFORMATION

General The health effects of this material are associated with exposure to dust.

ACUTE EFFECTS

Ingestion: Non toxic by ingestion.

Eye contact: Exposure to dust may cause eye irritation.

Skin contact: Non-toxic by skin exposure.

Inhalation: Inhalation of dust may cause irritation of the respiratory system.

CHRONIC EFFECTS
Acute toxicity/chronic toxicity: None.

Section 12: ENVIRONMENTAL INFORMATION

General: Unless contaminated in service, this product is non-hazardous to the environment.

Environmental effects: According to present state of knowledge, these pigments are generally not hazardous to water.

Aquatic Not classified as an aquatic ecotoxic under the Hazardous Substances and New Organisms Act

Soil Not classified as a soil ecotoxic under the Hazardous Substances and New Organisms Act

Terrestrial vertebrates Not classified as toxic to terrestrial vertebrates under the Hazardous Substances and New Organisms Act

Terrestrial invertebrates Not classified as toxic to terrestrial invertebrates under the Hazardous Substances and New Organisms Act

Section 13: DISPOSAL CONSIDERATIONS

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Disposal information: Where possible, recover material for re-use. No special disposal requirements necessary.
Avoid contamination of waterways.

Section 14: TRANSPORT INFORMATION

Road and rail: No regulatory transport requirements.
UN number: None.
Dangerous goods class: Not applicable.
Hazchem code: Not applicable.

Section 15: REGULATORY INFORMATION

Regulatory status: Not classified as a Hazardous Substance according to the Hazardous Substances (Minimum Degrees of Hazard) Regulation 2001

Section 16: OTHER INFORMATION

Additional information None

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