



A division of Firth Industries

SAFETY DATA SHEET

Dricon OxiTone™ RED

100 Bollard Road
Tuakau
New Zealand
Telephone 0800 374 566

Issue date 3 September 2010

Section 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Product name: Dricon OxiTone™ RED
Other names: Synthetic Iron Oxide Red Pigment
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: 3 September 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	Formula	CAS NO	Contents
Red Iron oxide	Fe ₂ O ₃	1332-37-2	97 %

Section 4: FIRST AID MEASURES



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- Ingested:** Rinse mouth thoroughly with water. Victims who are conscious should drink large quantities of milk or water. Never make an unconscious person drink fluids. Seek medical attention if any discomfort continues.
- 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 discomfort continues.
- Skin:** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin immediately with soap and water. Clothing should be washed before being re-used. Seek medical attention if any discomfort continues.
- Inhaled** Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues.
- 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:** Non flammable. No fire or explosion hazard exists
- 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.
Avoid washing into water courses. Avoid contaminating public drains or water supply.
Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

Section 7: HANDLING AND STORAGE



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Handling: Avoid handling which leads to dust formation.
Storage: No special storage requirements apart from dust suppression. Keep in cool, dry, ventilated storage and 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.
Gloves – leather or rubber gloves
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red coloured fine powder / dust
Solubility: Insoluble in water.
pH 3 - 7 typically
Specific gravity: ca. 5 g/ml @ 20 °C
Boiling point: > 1000 °C
Freezing point: Not available
Melting point: Not available
Flash point: None

Section 10: STABILITY AND REACTIVITY

Stability: No particular stability concerns
Conditions to avoid: None
Material to avoid: No incompatible groups noted
Hazardous decomposition products:
No hazardous decomposition products

Section 11: TOXICOLOGICAL INFORMATION



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General

From literature surveys undertaken:
Iron oxides
LD50 : oral, rat : = > 5000 mg/kg
Rabbit : eyes = non irritant
Rabbit : skin (24hrs) = non irritant

No specific health hazards noted
This substance has no evidence of carcinogenic properties

ACUTE EFFECTS

Ingestion: No specific health hazards noted

Eye contact: May cause eye irritation.

Skin contact: Powder may irritate skin

Inhalation: Repeated and prolonged inhalation of iron oxide fume has been reported to produce changes in lung X-Rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

CHRONIC EFFECTS

Acute toxicity/chronic toxicity: None.

Prolonged or repeated exposure may cause: Skin irritation. Irritation of eyes and mucous membranes.

Section 12: ENVIRONMENTAL INFORMATION

ENVIRONMENTAL HAZARDS:

From literature surveys undertaken:-

Aquatic toxicity(fish): =Leuciscus idus(Golden Orfe)LCo.:>1000mg/l
Bacterial toxicity: = harmless against Pseudomonas putida at >1000 mg/l
Water hazard classification =According to present state of knowledge, these pigments are generally not hazardous to water.
Separation :These pigments are separated in most filtration and/or sedimentation processes.
Biological/Chemical Oxygen Demand: Not applicable

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

Terrestrial vertebrates



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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

Disposal information: Recover and reclaim or recycle, if practical. Contact specialist disposal companies. Dispose of in accordance with Local Authority requirements.

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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