

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Australian Clay Reef Red
INCI name	:	Iron Oxide
Country of Origin	:	Australia
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### WHMIS Classification

Not a WHMIS controlled product.

### GHS Classification

Serious eye damage/eye irritation - Category 2B

Specific Target Organic toxicity - single exposure - Category 3

### GHS Label elements, including precautionary statements



Signal: Warning

### Hazard statement(s)

H320	Causes eye irritation.
H335	May cause respiratory irritation.

### Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P284	In case of inadequate ventilation, wear respiratory protection.

## 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Hematite	1317-60-8		Greater than 90 %
Kaolinite	1318-74-7		Less than 5 %
Goethite and Gibbsite	---		Less than 4 %

Contains less than 1% respirable crystalline silica in the form of quartz.

#### 4. FIRST AID MEASURES

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##### **Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for 15 minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

##### **Skin contact**

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

##### **Inhalation**

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

##### **Ingestion**

Do not induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.

#### 5. FIRE FIGHTING MEASURES

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##### **Suitable extinguishing media**

Use extinguishing media that are suitable for the surrounding combustible materials.

##### **Unsuitable extinguishing media**

Water spray, water jet.

##### **Special protective equipment and precautions for fire-fighters**

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

##### **Special hazards arising from the substance or its combustible products**

The product is not combustible, however the packaging may burn under fire conditions. Under fire conditions this product may emit toxic and/or irritating fumes.

##### **Resulting gases**

Carbon oxides.

#### 6. ACCIDENTAL RELEASE MEASURES

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##### **Personal precautions, protective equipment and emergency procedures.**

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

##### **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

##### **Methods and materials for containment and cleaning up**

Small Spill: Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large Spill: Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

#### 7. HANDLING AND STORAGE

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##### **Precautions for safe handling**

Avoid breathing in dust. To prevent explosion hazards, do not allow dust to settle on surfaces. It is recommend that all dust control equipment and material transport systems involved in handling of this

product contain explosion relief vents.

### **Conditions for safe storage, including any incompatibilities**

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **Eyes**

Use tightly sealed goggles.

### **Skin**

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### **Respiratory**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used.

### **Exposure limit values**

Quartz: TWA - 0.1 mg/m<sup>3</sup>

### **Biological limit values**

No biological limits allocated.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	:	Brown to red colored powder.
Odor	:	Mild clay odor when moistened.
pH	:	8.6 (20% aqueous slurry)
Flammability (solid,gas)	:	Non-combustible
Relative density	:	4.84
Solubility (ies)	:	Insoluble in water. Forms colloidal suspensions in water.

## **10. STABILITY AND REACTIVITY**

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### **Reactivity**

This material presents no significant reactivity hazard.

### **Chemical stability**

Chemically stable.

### **Possibility of hazardous reactions**

Hazardous polymerization will not occur.

### **Conditions to avoid**

Extremes of temperature, dust accumulation and direct sunlight.

### **Incompatible materials**

Not available.

### **Hazardous decomposition products**

Thermal decomposition may result in the release of toxic and/or irritating fumes.

## **11. TOXICOLOGICAL INFORMATION**

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### **Acute toxicity**

Inhalation: Acute aspiration may cause cough, dyspnea, sneezing, vomiting, cyanosis and plumonary edema which may be delayed by up to several hours.

### **Mutagenicity**

Not expected to be a mutagenic hazard.

**Reproductive toxicity**

Not expected to be toxic to reproduction.

**Respiratory or skin sensitization**

Crystalline silica can cause silicosis or other lung disease with prolonged exposure.

**Inhalation**

Inhalation may cause the the drying and irritation of the respiratory system. Repeated, prolonged or concentrated inhalation may cause delayed lung disorders.

**Skin contact**

Skin contact may cause mechanical irritation and dryness.

**Eye contact**

Eye contact may cause irritation.

**Ingestion**

Ingestion may irritate the gastric tract causing nausea and vomiting.

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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Avoid any pollution of ground, surface or underground water.

**Persistence and degradability**

Not available.

**Bio - accumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

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**13. DISPOSAL CONSIDERATION**

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

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**14. TRANSPORT INFORMATION**

**US DOT Shipping Description (Land)**

Not regulated

**IMO-IMDG Shipping Description (Sea)**

Not regulated

**IATA Shipping Description (Air)**

Not regulated

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**15. REGULATORY INFORMATION**

**WHMIS Classification**

Not WHMIS controlled.

**California Proposition 65**

Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (as stated in Proposition 65 revised list): TRACE HEAVY METALS.

## **GHS Hazard Statements**

See Section 2.

## **GHS Precautionary Statements**

See Section 2.

## **16. OTHER INFORMATION**

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Revision date : April 21,2022

### **Disclaimer & Caution**

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