

# MSDS Iron Oxide Yellow

## Material Safety Data Sheet

Date of issue – January 2008

### Product and Company Identification

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Product group:   | Iron Oxide Yellow                                                    |
| Product code(s): | PJ 920                                                               |
| Used for:        | Colouring of construction products                                   |
| Supplier name:   | Saffire Blue Inc. 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada |
| Email:           | info@saffireblue.ca                                                  |

### Hazard Identification

The product is not classified as a dangerous substance according to EU Directive 67/548/EEC and its various amendments and adaptations. The product is in the form of a dry, coloured powder and so can present a dust hazard. It has strong pigmenting capability with the associated risk of environmental nuisance if spilled.

### Composition

Synthetic inorganic oxide substance  
Iron Oxide FeOOH - Goethite  
CAS Number: 20344-49-4

### First Aid Measures

Eye contact: Immediately rinse with plenty of water and seek medical attention if any irritation persists.  
Skin contact: Wash with soap and water, avoiding excessive abrasion.  
Inhalation: Move from contaminated area into fresh air.  
Ingestion: Seek medical advice if large quantity ingested.

### Fire Fighting Measures

Product will not support combustion and is not explosive. Foam, CO<sub>2</sub> and water may be used depending on the nature of the surrounding fire. Normal precautions to prevent pollution from water used in fire fighting should be observed.

### Accidental Release Measures

Any spillages should be handled with due regard to the size and nature of the incident. Spilled material should be contained and removed (preferably by vacuum) in order to prevent contamination of air, soil or water courses. If the material enters a watercourse or sewer, the appropriate water authority must be informed.

### Handling and Storage

The product should be handled in such a way as to avoid splashes or spillages that could come into contact with the eyes, mouth or skin. Store the product in a cool, dry place and away from locations where damage to the container may occur. Protect from frost.



## MSDS Iron Oxide Yellow Material Safety Data Sheet

### Exposure Controls and Personal Protection

---

Wear gloves, eye protection, protective clothing and a suitable dust mask if the Workplace Exposure Limit cannot be achieved by practicable dust control measures.

WEL (8 hours) 10mg/m<sup>3</sup> – Inhalable

WEL (8 hours) 4mg/m<sup>3</sup> - Respirable

### Physical and Chemical Properties

---

The product is an odourless yellow coloured powder with strong pigmenting power.

pH in 5%w/w concentration 4 to 8

Bulk Density 600 kg/m<sup>3</sup>

Melting point > 1000°C

Solubility Insoluble in water

### Stability and Reactivity

---

Stable under normal conditions of use.

No hazardous materials are produced upon decomposition.

### Toxicological Information

---

Non-toxic.

LD50 (rat, oral) > 5000 mg/kg

### Ecological Information

---

Not readily biodegradable.

Acute LC50 (fish) >1000mg/l

### Disposal

---

At an authorised landfill site in accordance with Local or National Government Regulations.

Not classified as hazardous waste

### Transport Information

---

Not classified as hazardous for transport purposes.

### Regulatory Information

---

Not classified

### Other Information

---

This document does not constitute a product specification sheet and the data given above does not constitute any warranty regarding properties or performance. This Material Safety Data Sheet does not replace the users own workplace risk assessment.