

MATERIAL SAFETY DATA SHEET

PRIMARY COLOR- YELLOW PC-06

SECTION 01: PRODUCT IDENTIFICATION

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| Product Identifier: | Iron Oxide Yellow |
| Product Use: | Concrete Color, P-06 |
| Manufacturer's Name: | Concretech #106 2567 19 Street, Surrey BC V3S 3X1, Canada – Emergency Telephone Number 1-888-503-6780 |
| Supplier's Name | Concretech #106 2567 19 Street, Surrey BC V3S 3X1, Canada – Emergency Telephone Number 1-888-503-6780 |
| Preparation Date of MSDS: | April 16 th , 2003 |
| Revision Date of MSDS: | April 13, 2011 |
| MSDS Prepared By: | Farhad Kazemian |
| Phone Number of Preparer: | 1 877 952 0057 |

SECTION 02: HAZARDOUS INGREDIENTS

| Ingredients: | % | CAS# | LD/50 | ACGIH TLV | Comments |
|--------------|------|------------|-----------------------|-----------|----------|
| Iron Oxide | 85.0 | 51274-00-1 | 5500 mg/kg (Oral Rat) | 5 mg/m3 | NA |

SECTION 03: HAZARDOUS IDENTIFICATION

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| Route of Entry: | Skin= Yes, Eye Contact= Yes ,Inhalation= Yes, Ingestion= No, |
| Skin Contact: | Possible Irritation |
| Skin Absorption: | Not Established |
| Eye Contact: | Eye contact by larger amounts of powder may cause moderate eye irritation. |
| Inhalation: | Dust can cause lung irritation, coughing or sneezing. |
| Ingestion: | No adverse effects expected. |
| Emergency Overview: | NA |
| WHMIS Symbols: | Not Controlled |
| Potential Health Effects: | Repeated and prolonged exposures to iron oxide dust may cause a benign pneumoconiosis called siderosis. |

SECTION 04: FIRST AID MEASURES

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| Skin Contact: | Wash with soap and water immediately and rinse thoroughly. If irritation persists consult a physician. |
| Eye Contact: | Remove any contact lenses at once. Flush eyes with water for 5- 10 minutes. If eye irritation persists, get immediate medical attention. |
| Inhalation: | Remove to fresh air if swallowed. If not breathing, trained personnel should initiate artificial respirations and immediate medical attention should be obtained. |
| Ingestion: | If large quantities are ingested, seek medical advice. |

SECTION 05: FIRE FIGHTING MEASURES

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| Flammable (Yes / No) | No |
| Yes | NA |
| Means of Extinction | Use appropriate extinguishing media for surrounding fire. May be subject to slow oxidation if stored at temperatures above 60 C (140 F). If oxidation should occur, heat will be liberated which could cause surrounding combustibles to burn. |
| Flash Point (°C / Method) | NA |
| Upper Flammable Limit (% by Volume) | NA |
| Lower Flammable Limit (% by Volume) | NA |
| Autoignation Temperature (°C) | NA |

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| Explosion Data- Sensitivity to Impact | NA |
| Explosion Data- Sensitivity to Static Discharge | NA |
| Hazardous combustion Products | None under normal conditions |
| Special Fire Fighting Procedures | NA |

SECTION 06: ACCIDENTAL RELEASE MEASURES

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| Leak and Spill Procedures | If spilt, collect and reuse where possible, Wear dust-proof goggles and PVC/rubber gloves. Where heavy contamination is possible and where an inhalation risk exists; wear a Class P1 (Particulate) respirator and coveralls. Absorb with moist sand or similar and place in sealable containers for disposal. |
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SECTION 07: HANDLING AND STORAGE

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| Handling Procedures and Equipment | Maintain good personal hygiene. Avoid breathing dust. Wash thoroughly after handling. Wash or vacuum clothing that may have become dusty. Ventilate adequately, otherwise wear an appropriate breathing apparatus. |
| Storage requirements | Store in cool, dry, well ventilated area, removed oxidizing agents, acids, carbon monoxide, food stuffs. Ensure containers are adequately labeled and protected from physical damage. |

SECTION 08: EXPOSURE CONTROL / PERSONAL PROTECTION

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| Exposure Limit | ACGIH TLV | 5 mg/m ³ |
| | OSHA PEL | NA |
| | Other | NA |
| Engineering Controls | General | Ensure natural adequate ventilation in work area. |
| | Local Exhaust | Local exhaust ventilation as necessary to control any air contaminants, to within their TLVs. |
| | Other | Minimize dust generation and exposure. |
| Personal Protective Equipment | Gloves | Rubber or PVC gloves |
| | Respirator | If dusty conditions prevail, wear a Class P1 (Particulate) respirator. |
| | Eye | Wear dust-proof goggles |
| | Footwear | Not specified. |
| | Clothing | When using large quantities or where heavy contamination is likely, wear coveralls. |
| | Other | Eye wash facility should be in close proximity. |

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State | powder |
| Odor and Appearance | No odor, Orange powdery appearance |
| Odor Threshold (ppm) | NA |
| Specific Gravity | 4.0-4.1 (H ₂ O= 1) |
| Vapor Density (air = 1) | NA |
| Vapor Pressure (mmHg) | NA |
| Evaporation Rate | NA |
| Flammability Class | Non-flammable |
| Boiling Point °C | NA |
| Melting Point °C | NA |
| Volatile % By Weight | 1.0 % max. |
| PH | 4.0-7.0 |

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| Coefficient of Water / Oil Distribution | NA |
| Solubility in Water | 1.0 % max. |

SECTION 10: STABILITY AND REACTIVITY

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| Chemical Stability | Stable, under normal condition |
| Incompatibility With Other Substances | Incompatible with oxidizing agents (eg. Hypochlorite's, peroxides), acids (eg. Hydrochloric acid) and carbon monoxide. |
| Reactivity | See above |
| Hazardous Decomposition Products | May evolve toxic gases / fumes (iron oxide) when heated to decomposition. |

SECTION 11: TOXICOLOGICAL INFORMATION

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| Effects on Acute Exposure | Refer to route of entry, Section 3 |
| Effects on Chronic Exposure | Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica. |
| Irritancy of Product | Mild irritant |
| Skin Sensitization | NA |
| Respiratory sensitization | NA |
| Eye Sensitization | Possible irritation |
| Ingestion | No adverse effects expected |
| Carcinogenicity | NA |
| Other Toxicity Information | NA |
| IARC (1,A2 or 2B) | Not listed |
| ACGIH (A1, A2 or A3) | NA |
| Reproductive Toxicity | No reproductive effects. |
| Teratogenicity | Not Established |
| Embryotoxicity | Not Established |
| Mutagenicity | Not Established |
| Name of Synergistic Products / Effects | NA |

SECTION 12: ECOLOGICAL INFORMATION

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| Aquatic Toxicity | The main component of this product occurs naturally in the earth's crust. It is not anticipated to cause any adverse effects to plants or animals. |
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SECTION 13: DISPOSABLE CONSIDERATION

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| Waste Disposal | For small amounts, cover with moist sand or similar, collect and dispose of to an approved landfill site. Avoid generating dust. Contact manufacturer for additional information. |
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SECTION 14: TRANSPORT INFORMATION

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| Special Shipping Information | NA |
| PIN | Not Regulated |
| TDG | Not Regulated |
| DOT | Not Regulated |
| IMO | Not Regulated |
| ICAO | NA |

CONCRETECH

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| ERAP | NA |
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SECTION 15: REGULATORY INFORMATION

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| WHMIS Classification | Not Controlled |
| OSHA | NA |
| Other | NA |
| TSCA | Not Regulated |
| DSL / TOSCA | Not Regulated |

SECTION 16: OTHER INFORMATION

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| Regulatory Information | |
| SARA & WHMIS | These products are not considered as a hazardous substance as defined by SARA title 111 regulations (40 CFR 372). |
| SARA Section 313 Listed Ingredients | These products do not contain any substance that is subject to the reporting requirements of 40 CFR 372. SARA Classification: Listed. |

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It is provided solely for the customer's consideration, and verification. Hereby specifically claims. It shall not be held liable for any damage resulting from handling or from contact with the above products.