

MATERIAL SAFETY DATA SHEET

BLENDED COLORS- REDS

BC-01, BC-06, BC-08, BC-10, BC-18, BC-22, BC-24, BC-27, BC-28, BC-29

SECTION 01: PRODUCT IDENTIFICATION

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| Product Identifier: | Iron Oxides |
| Product Use: | Concrete Color, |
| Manufacturer's Name: | Concretech Inc., #106, 2567- 192 Street, Surrey, BC, V3S 3X1, Canada |
| Supplier's Name | Concretech Inc., #106, 2567- 192 Street, Surrey, BC, V3S 3X1, Canada |
| Preparation Date of MSDS: | June 21st, 2004 |
| Revision Date of MSDS: | April 11 th , 2011 |
| MSDS Prepared By: | Farhad Kazemian |
| Phone Number of Preparer: | 1 604 201 1147 |
| Emergency Phone Number | 1888 503 6780 |

SECTION 02: HAZARDOUS INGREDIENTS

| Ingredients: | % | CAS# | LD/50 | ACGIH TLV | Comments |
|--------------|--------|-----------|-----------------------|-----------|----------|
| Iron Oxide | 34-88% | 1309-37-1 | 5500 mg/kg (Oral Rat) | 10 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: | Avoid prolonged or repeated inhalation of dust or spray mists. |
| 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 10-15 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 Tainja

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| Flammable (Yes / No) | No |
| Yes | Not flammable, but may be subject to slow oxidation if stored at temperatures above 60°C. If oxidation should occur, heat will be liberated which could cause surrounding combustibles to burn. If oxidation starts, the pallet should be broken apart and cooled with water to dissipate the heat. |
| Means of Extinction | Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers. |
| Flash Point (°C / Method) | NA |
| Upper Flammable Limit (% by | NA |

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| Volume) | |
| Lower Flammable Limit (% by Volume) | NA |
| Autoignation Temperature (°C) | NA |
| Explosion Data- Sensitivity to Impact | NA |
| Explosion Data- Sensitivity to Static Discharge | NA |
| Hazardous combustion Products | NA |
| Special Fire Fighting Procedures | NA |

SECTION 06: ACCIDENTAL RELEASE MEASURES

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| Leak and Spill Procedures | Ventilate area. Keep spectators away. Wear appropriate protection equipment. Sweep or vacuum up and containerize for reclamation or disposal. Do not allow material to enter drain or waterways. |
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SECTION 07: HANDLING AND STORAGE

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| Handling Procedures and Equipment | Avoid prolonged or repeated inhalation of dust or spray mists. Avoid all skin contact. Wash thoroughly after handling and before eating, drinking or using tobacco products. |
| Storage requirements | Keep containers closed. |

SECTION 08: EXPOSURE CONTROL / PERSONAL PROTECTION

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| Exposure Limit | ACGIH TLV | 10 mg/m ³ |
| | OSHA PEL | NA |
| | Other | NA |
| Engineering Controls | General | Dust mask required if total dust level exceeds 10 mg/m ³ |
| | 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 | A canister type respirator may be necessary if excessive dust is generated. |
| | Eye | Wear dust-proof goggles |
| | Footwear | Safety Shoes |
| | Clothing | When using large quantities or where heavy contamination is likely, wear long sleeve 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, red powdery appearance |
| Odor Threshold (ppm) | NA |
| Specific Gravity | 4.03-5.25 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 |

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| Volatile % By Weight | 1.5 % max. |
| PH | 3.5-7.0 |
| Coefficient of Water / Oil Distribution | NA |
| Solubility in Water | NA |

SECTION 10: STABILITY AND REACTIVITY

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| Chemical Stability | Stable, under normal condition |
| Incompatibility With Other Substances | It is incompatible with strong acids, Peroxides, and Chloroformates. |
| Reactivity | See above |
| Hazardous Decomposition Products | NA |

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 | No adverse effects expected. |
| Respiratory sensitization | NA |
| Eye Sensitization | Possible irritation, dust may cause mechanical irritation. |
| Ingestion | No adverse effects expected. If conscious give large quantities of water to induce vomiting. Get medical attention. |
| 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 | Dispose in accordance with current federal, state, provincial and local regulations. This is not a regulated product |
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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 |

CONCRETECH

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| ICAO | NA |
| ERAP | NA |

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.