

MATERIAL SAFETY DATA SHEET

BLENDED COLORS- YELLOW AND ORANGES

**BC-02, BC-04, BC-05, BC-07, BC-09, BC-11,
BC-13, BC-14, BC-17, BC-19, BC-20, BC-21,
BC-25, BC-30, BC-31, BC-32, BC-33, BC-35, BC-37**

SECTION 01: PRODUCT IDENTIFICATION

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:	November 25 th , 2003
Revision Date of MSDS:	April 11 th , 2011
MSDS Prepared By:	Farhad Kazemian
Phone Number of Preparer:	1 604 210 1147
Emergency Phone Number	1 888 503 6780

SECTION 02: HAZARDOUS INGREDIENTS

Ingredients:	%	CAS#	LD/50	ACGIH TLV	Comments
Iron Oxides	47-99%	1309-37-1	5500 mg/kg (Oral Rat)	10 mg/m3	NA

SECTION 03: HAZARDOUS IDENTIFICATION

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

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

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

MATERIAL SAFETY DATA SHEET

	exposed closed containers.
Flash Point (°C / Method)	NA
Upper Flammable Limit (% by Volume)	NA
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

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.
---------------------------	--

SECTION 07: HANDLING AND STORAGE

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

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

Physical State	Powder
Odor and Appearance	No odor, Yellow and Orange 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

MATERIAL SAFETY DATA SHEET

Boiling Point °C	NA
Melting Point °C	NA
Volatile % By Weight	1.5 % max.
PH	5.0 – 8.0
Coefficient of Water / Oil Distribution	NA
Solubility in Water	NA

SECTION 10: STABILITY AND REACTIVITY

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

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

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.
------------------	--

SECTION 13: DISPOSABLE CONSIDERATION

Waste Disposal	Dispose in accordance with current federal, state, provincial and local regulations. This is not a regulated product
----------------	--

SECTION 14: TRANSPORT INFORMATION

Special Shipping Information	NA
PIN	Not Regulated
TDG	Not Regulated

CONCRETECH

106, 2567 - 192 STREET, SURREY, BC, V3S 3X1

#106 2567 192 Street, Surrey, BC V3S 3X1

Phone: 604 210 1147 Fax: 604 357 1344

Toll Free: 1 888 503 6780

Web: www.concretechproducts.com

Email: info@concretechproducts.com

MATERIAL SAFETY DATA SHEET

DOT	Not Regulated
IMO	Not Regulated
ICAO	NA
ERAP	NA

SECTION 15: REGULATORY INFORMATION

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

SECTION 16: OTHER INFORMATION

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.