

FLEX-C-MENT™
TECHNICAL DATA SHEET

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SECTION 1 – Identification of substance

Product details: Product Code FCMLC

Trade name: FLEX-C-MENT™ Liquid Colors

Article Number: 000014

Application of the substance / the preparation: Liquid - Ironoxide Pigments

Manufacturer/Supplier

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SECTION 2- Hazards identification



Xi : Irritant

- R22 harmful if swallowed
- R36 irritating to eyes
- R37 irritating to respiratory system
- R38 irritating to skin
- R43 may cause sensitization by skin contact

Skin: This material may cause skin irritation or rash upon prolonged or repeated contact.

Inhalation: Excessive exposure to vapors or spray mists can cause irritation of eyes, nose and throat.

Eyes: This material may be an eye irritant.

Primary Route (S) Of Entry: Inhalation of vapors (especially if strayed or heated).

Carcinogenicity: An inhalation study using laboratory animals exposed to high concentrations of vinyl acetate for 6 hours per day, 5 days per week over a two-year period has resulted in the development of nasal tumors. Some of these tumors were shown to be carcinomas. However, at this time, there is not sufficient evidence to indicate that vinyl acetate may cause cancer in humans. There should be minimal risk when used with ventilation adequate to maintain atmospheric concentrations of vinyl acetate below the recommended exposure limit

SECTION 3 - Composition/information on ingredients

· **Chemical characterization :** Water based dilution

· **Description:** Mixture of substances listed below with nonhazardous additions.

	Cas No:	EC No:
Iron hydroxide oxide	20344-49-4	243-746-4
Diiron trioxide	1309-37-1	215-168-2
Triiron tetraoxide	1317-61-9	215-277-5

Titanium dioxide	13463-67-7	236-675-5
Water	7732-18-5	231-791-2

SECTION 4-Physical and Chemical Properties

· General Information

Form: Fluid

Color: According to product specification

Odor: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· Flash point: Not applicable.

· Auto igniting: Product is not self igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Vapor pressure at 20°C (68°F): 23.0 hPa (17 mm Hg)

· Density at 20°C (68°F): 1.20 g/cm³

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Solvent content: 0.0 %

Organic solvents: 0.0 %

Water: 70.0 %

· Solids content (Iron oxide Pigments): 30.0 %

· Volatile Organic Compounds: Not determined

Solar Reflectance Index (SRI) values for colored concrete

Color	Solar Refl	SRI
Uncolored Concrete	0.44	47
Terra Cotta	0.41	44
Mesa Buff	0.41	43
Sandstone	0.41	43
Baja Red	0.40	42
Brick Red	0.38	40
Harvest Gold	0.36	37
Mocha	0.36	36
Mesquite	0.32	32
Flagstone Brown	0.32	31
Pewter	0.29	27
Green Slate	0.28	26
Cobblestone	0.21	18
Kahlua	0.19	14
Graphite	0.08	1

CARBON CONTENT % 30-35

H2O CONTENT % 65-70

SPECIFIC GRAVITY 1,15 g/cm3

DRY SOLIDS 3,17

WATER SOLUABLE SALTS % <0,5

VISCOSITY	54 KU
COVERAGE	min 14 m ² /l
SETTLING	Very Slight
PREDOMINANT PARTICLE SIZE	75 NM

SECTION 5- Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

SECTION 6 – Other Information

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