



FLOWFRESH FC FILLER C
MATERIAL SAFETY DATA SHEET
Date Issued: 11/08/2011
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name Flowfresh FC Filler C

Application Filler C component of a 4 component polyurethane resin floor system.
Mixed product is applied using a roller.
Used with Flowfresh Base A and Hardener B plus Pigment Pack to produce Flowfresh FC.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EINECS No.	CAS No.	% by weight	Symbols and Risk Phrases
Cements	270-659-9	68475-76-3	> 90	Xi; R41.

See section 16 Additional information, for full text regarding symbols and Risk phrases.

3. HAZARDS IDENTIFICATION

Risk of serious damage to eyes. The lime and alkalis within the cement are partially soluble and when mixed with water will give rise to a potentially hazardous alkaline solution. The eyes are particularly vulnerable and damage will increase with contact time. Contact with wet cement may cause irritation, dermatitis or burns.
Contact between cement powder and body fluids (e.g. sweat and eye fluid) may also cause skin and respiratory irritation, dermatitis or burns.

4. FIRST- AID MEASURES

General Information In case of accident or you feel unwell, seek medical advice and take the relevant safety data sheets. Never give anything by mouth to an unconscious person.

Inhalation If irritation occurs, move to fresh air. If nose or airways become inflamed seek medical advice.

Skin contact Wash with soap and plenty of water before continuing. If irritation, pain or other skin trouble occurs, seek medical advice.
Contaminated clothing should be removed and washed thoroughly before re-use.

Eye Contact Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes.
Seek medical advice immediately.

Ingestion Wash out mouth with water and give patient plenty of water to drink.

5. FIRE-FIGHTING MEASURES

This material is non-combustible and will not facilitate combustion with other materials.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment as detailed in Section 8.
Ensure adequate ventilation.

Environmental precautions Avoid the formation of dust clouds.

Methods for cleaning up Sweep or preferably vacuum up and collect in suitable containers for disposal in accordance with Section 13. Avoid creating a dust cloud, dampen with water if possible. Addition of water may result in the product hardening in situ if not removed quickly.

7. HANDLING AND STORAGE

Handling Provide sufficient air exchange and/or exhaust in work rooms. Avoid formation of dust cloud.
Ensure adequate ventilation. Use personal protective equipment as detailed in Section 8.
Handle and open container with care.

Storage Store in a dry, cool, well-ventilated place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace Exposure Limit for dust,	Total inhalable dust : 10mg/m ³ 8hr TWA Respirable dust : 4 mg/m ³ 8hr TWA
Engineering measures to reduce exposure	Local exhaust ventilation is recommended where dust is likely to be generated from the handling of dry material.
Personal protective equipment	
Respiratory protection	Dust respirator if the conditions are dusty.
Eye protection	Goggles or face shield.
Hand protection	Impervious gloves
Skin and body protection	Protective suit.
Protective measures	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White powder	pH	~11 – 14 when wet
Odor	None	Relative Density	~3
Boiling Point	Not applicable	Water solubility	slight
Flashpoint	Not applicable	Water miscibility	Not applicable
Explosion limits	No data		
Vapor pressure	Not applicable		

10. STABILITY AND REACTIVITY

Material is inert and stable. Shelf life is 6 months.

Conditions to avoid	Not applicable
Materials to avoid	Not applicable
Hazardous decomposition products	None

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause inflammation of the mucous membranes, an irritant to the respiratory tract at high concentrations.
Ingestion	The swallowing of small amounts is unlikely to cause any significant reaction. Larger doses may result in irritation of the gastro intestinal tract.
Eye irritation	Cements are painful eye irritants. Mild exposure can cause soreness. Gross exposure or untreated mild exposures can lead to chemical burning and ulceration of the eye.
Skin Irritation	Cement powder, especially in a water mix, may cause irritant contact dermatitis and or burns.
Sensitization	The hexavalent chromium in the cement can lead to sensitization of the skin. If sensitized, an allergic eczema will result upon contact with the skin.
Long term toxicity	High repeated exposures in excess of the WEL have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (chromium VI) dermatitis. Allergic dermatitis more commonly arises through contact with water mixtures than when dry.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The addition of cement to water will raise the pH and may therefore be toxic to aquatic life in some circumstances.
Mobility	The product is not volatile and insoluble in water, will accumulate in the ground.
Persistence and degradability	Mostly non biodegradable.
Bioaccumulative potential	Not applicable.
Additional ecological information	High concentrations of cement in water (>100 mg/l) may have a sterilizing effect in sewage works.

13. DISPOSAL CONSIDERATIONS

Unused Product/waste from cleaning etc.	Dispose of in accordance with local and national regulations. EWC Code: 160304 (Not a hazardous waste)
Contaminated packaging	Contaminated packaging must not be disposed of as household waste. Not a hazardous packaging waste. Use EWC Code: 150101 for paper, 150102 for plastic.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Classification according to EEC directive: Irritant

R-phrases

R41 Risk of serious damage to eyes.

S-phrases

S22 Do not breathe dust.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water and soap.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Special provisions statement None

Hazardous component(s) which must be listed on the label Cement

US EPA TSCA Status All chemical ingredients are listed on the TSCA inventory.

Canada Domestic All chemical ingredients are listed on the DSL

Substance List Status

EC Directives Dangerous Substances Directive, 67/548/EEC & adaptations.

Dangerous Preparations Directive, 1999/45/EC.

Safety Data Sheets Directive, 91/155/EEC and adaptations.

Statutory Instruments

Chemicals (Hazard Information & Packaging for Supply) Regs.

Control of Substances Hazardous to Health Regs.

Environmental Protection (Duty of Care) Regs.

Codes of Practice

Waste Management. The Duty of Care.

Approved classification and labeling guide (Fifth edition). L131.

The compilation of safety data sheets (Third edition).

Guidance Notes

Occupational Exposure Limits EH40

CHIP for Everyone HSG(108)

Construction Information Sheet No 26 (revision 2) CIS26(rev2) - Cement

16. OTHER INFORMATION

This data sheet does not replace the obligation of the user to provide their own assessment of workplace risk as required by other Health & Safety legislation.

Training Advice

Applicators need to be trained in:-

Handling and hygiene associated with use of industrial chemicals.

Correct mixing and application of the product.

Correct cleaning and disposal methods.

HMIS Ratings

Health 2

Flammability 0

Reactivity 0

Restrictions on Use

The product is intended for use by appropriately trained applicators in industrial situations. It is not suitable for use in home DIY applications, especially because of its hazardous nature and the protective measures required.

Notes

Beware of cross contamination where different products are in use in the same location.

Take into account the Manual Handling regulations when dealing with the mixed product.

This safety data sheet is based on our present knowledge and experience and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.