



FLOWFRESH CM FILLER C
MATERIAL SAFETY DATA SHEET
Date Issued: 09/24/2009
Revision 1 – Date Revised: 04/30/2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name Flowfresh CM Filler C

Application Filler C component (sand/aggregate/cement mixture) of a 4 pack polyurethane resin cove mortar. Mixed product is applied using a trowel. Used with Flowfresh CM Base A, Hardener B and pigment pack to produce Flowfresh CM.

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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	7 - 15	Xi; R41.
Hydrated Lime	215-137-3	1305-62-0	< 7	Xi; R38. R41.
Silica Sand, Silicon dioxide	238-878-4	14808-60-7	> 75	None.
Respirable crystalline silica	-	14808-60-7	Trace	Xn; R48:R20.

Also contains non-classified quartzes and aggregates.
See section 16 Additional information, for full text regarding symbols and Risk phrases.

3. HAZARDS IDENTIFICATION

Risk of serious damage to eyes. The lime, calcium silicates 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.

Storage Handle and open container with care.
Store in a dry, cool, well-ventilated place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure limit for Silica, respirable crystalline dust : 0.1 mg/m³ 8hr TWA (Time Weighted Average) (CHAN 35)
for dust, Total inhalable dust : 10mg/m³ 8hr TWA
Respirable dust: 4 mg/m³ 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	Granules/powder mix	pH	~11 - 14
Odor	None	Relative Density	Not determined.
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.
Chromium VI content is not an issue for this material - Shelf life is therefore 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 and hydrated lime 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 and hydrated lime 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.
Control of the Chromium VI content is not an issue for this material, < 2 ppm from source, no reducing additives required.

Long term toxicity High repeated exposures in excess of the OES 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 and hydrated lime 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. The hydrated lime will react with atmospheric and dissolved carbon dioxide to form calcium carbonate.

Bioaccumulative potential Not applicable.

Additional ecological information High concentrations of lime and 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: 08 01 99 (Not a hazardous waste)

Contaminated packaging Contaminated packaging must not be disposed of as household waste. Not a hazardous 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/Hydrated Lime.
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 2002. Control of Substances Hazardous to Health Regs 2002. Environmental Protection (Duty of Care) Regs. 1991.
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 Construction Information Sheet No 36 (revision 1) CIS36(rev1) - Silica Chemical Hazard Alert Notice 35 – Respirable Crystalline Silica

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

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

Do not use organic solvents for skin cleansing, it will lead to defatting of the skin, skin irritation and/or dermatitis.
Some solvents can be absorbed through the skin.
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.