



FLOWFRESH SR SEALER BASE A
MATERIAL SAFETY DATA SHEET
Revision 2 – Date Revised: 05/01/2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name Flowfresh SR Sealer Base A

Application Base A polyol component of a 3 pack polyurethane resin floor system. Mixed product is applied by squeegee and roller.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Polyalcohol, into which inert filler is dispersed.

3. HAZARDS IDENTIFICATION

Not classified as hazardous.

4. FIRST- AID MEASURES

Inhalation Remove from exposure – unlikely to occur because of the low volatility of the product. If someone is affected, seek medical advice.

Skin contact Wash with soap and plenty of water or a suitable skin cleanser as soon as possible. Remove any contaminated clothing and launder before re-use. Seek medical advice in cases of a skin reaction.

Eye Contact Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical advice.

Ingestion Wash out mouth with water. If any has been swallowed, seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray, carbon dioxide (CO₂), foam, dry powder.
Un-Suitable extinguishing media High volume water jet.

Special exposure hazards Burning produces carbon oxides, oxides of nitrogen and a trace of hydrogen cyanide.
Special protective equipment Wear self-contained breathing apparatus and protective suit.
Additional information None.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions Prevent entry into drains, sewers and water courses.

Methods for cleaning up Soak up with inert absorbent material or contain and remove by best available means. Collect in suitable containers for disposal in accordance with Section 13

7. HANDLING AND STORAGE

Handling Ensure adequate ventilation. Use personal protective equipment as detailed in Section 8. Handle and open container with care. Avoid skin and eye contact.

Storage Store in a dry, cool, well-ventilated place at 40 – 95°F. Keep container tightly closed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

There are no components with workplace exposure limits.

Engineering measures to reduce exposure No specific ventilation requirement noted.

Personal protective equipment

Respiratory protection Not required.
Eye protection Wear eye/face protection.
Hand protection Impervious gloves, nitrile rubber probably gives the best resistance to the chemicals.
Skin and body protection Overalls.

Protective measures Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, color on label	Relative Density	Approx 1.5, varies by color
Odor	Almost odorless	Water solubility	Insoluble
Boiling Point	No data	Water miscibility	none
Flashpoint	>212°F		

10. STABILITY AND REACTIVITY

Conditions to avoid None known.
Materials to avoid None known.
Hazardous decomposition products In a fire, carbon and nitrogen oxides with a trace of hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Polyol: LD₅₀ oral (rat) : >5,000 mg/kg
Irritation Polyol: Primary skin irritation: (rabbit)
 Result: non-irritant.
 Primary mucosa irritation:(rabbit)
 Result: non-irritant
Sensitization Polyol: Skin sensitization Result: no sensitization by skin contact.
Genotoxicity Polyol: Genotoxicity in vitro: Ames test
 Result: negative Method: OECD Test Guideline 471

12. ECOLOGICAL INFORMATION

Ecotoxicity Polyol: Brachydanio rerio (96 hr) LC₀ : > 100 mg/l
 Method: OECD Guideline for Testing of Chemicals, No. 203
 Daphnia magna (48 hr) EC₅₀ : > 100 mg/l
 Method: OECD Guideline for Testing of Chemicals, No.202
 Bacteria (activated sludge) EC₅₀ : > 1,000 mg/l
 Method: OECD Guideline for Testing of Chemicals, No.209
 Algae (scenedesmus subspicatus) (72 hr) IC₅₀ : > 100 mg/l
 Method: OECD Guideline for Testing of Chemicals, No.201
Mobility Insoluble in water.
Persistence and degradability Polyol: 12 % , i.e. not readily degradable
 Method: OECD Guideline for Testing of Chemicals, No.301 D
Additional ecological information Do not allow to escape into waterways, waste water or soil.

13. DISPOSAL CONSIDERATIONS

Unused Product/waste from cleaning etc. Dispose of in accordance with local and national regulations.
 Do not empty into drains, sewers or water courses.
 Use EC Waste Catalogue (EWC) code: 080112 (not a hazardous waste).
Contaminated packaging Partially filled containers shall be disposed of as for the product above.
 Well drained containers shall be disposed of as non-hazardous packaging waste.
 Remove/invalidate the warning label.
 Use EWC Code 150102 for plastic, 150104 for metal.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

S-phrases
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 None
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 & adaptations. Safety Data Sheets Directive, 91/155/EEC & 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)

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	1
Flammability	1
Reactivity	0

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.

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.

The material has been designed for application by roller and squeegee - it is not recommended this material be sprayed. The isocyanates in the hardener are respiratory sensitizers and the engineering requirements to allow spraying would have to include total exclusion of all none spraying personnel and prevention of all overspray/vapor/fumes from escaping. It would not be acceptable from a safety viewpoint to allow any escape of the material because even very small concentrations can cause asthma like attacks in sensitized persons.

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.