



FLOWSHIELD SL/QUARTZ – FLOWTEX BASE A
MATERIAL SAFETY DATA SHEET
Date Issued: 05/17/2010
Revision 1 – Date Revised: 05/16/2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name Flowshield SL/Quartz – Flowtex Base A

Application Epoxy resin component of trowel down and self leveling flooring systems.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

General description: Preparation

Chemical Name	CAS No.	%	OSHA PEL	ACGIH TLV
Bisphenol A epoxy resins, mw <700	25068-38-6	>80	no limits set	no limits set
Oxirane, mono((C12-14-alkyloxy)methyl) derives.	68609-97-2	5-10	no limits set	no limits set
Benzyl alcohol	100-51-6	<5	no limits set	no limits set

3. HAZARDS IDENTIFICATION

Human health hazards Irritating to eyes and skin. May cause sensitization by skin contact.
Environmental hazards Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST- AID MEASURES

General information In case of accident or if you feel unwell, seek medical advice immediately. Bring the safety data sheet. Never give anything by mouth to an unconscious person.

Inhalation Fresh air, rest.

Ingestion Wash out mouth with water. Drink water. Consult a doctor.

Skin contact Immediately remove contaminated clothing. Immediately wash off with plenty of water and soap.

Eye contact Remove any contact lenses. Wash the eyes with plenty of water with the eyelid held wide open. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flashpoint >392 °F (>200°C)

Explosion limits Not applicable

Suitable extinguishing media Dry chemical, alcohol-resistant foam, water spray, carbon dioxide. If possible, containers should be removed from the fire area, or cooled with water.

Hazardous thermal (de)composition products Carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid contact with skin and eyes. Use appropriate protection (see section 8). Keep unauthorized people away.

Environmental precautions Avoid release to the environment. In the event of major spillage: Immediately contact fire brigade and police.

Methods for cleaning up Collect spilled material. Absorb in sand or other inert material. After one hour the waste is collected in an open refuse bin. Keep the waste moist and place the bin open in a safe place for one to two weeks (carbon dioxide is given off). Forward for disposal (see section 13).

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Do not breathe vapor. Do not spray, could cause harmful mist. For instruction for application, see separate product information.

Storage Keep container tightly closed and dry. Protect from direct sunlight. Keep at 60-104 °F (15-40 °C).

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures	Use only in well-ventilated areas.
Personal protective equipment	
Skin and body	Wear suitable protective clothing (full protective clothing).
Hands	4H gloves or neoprene gloves.
Eyes	Safety goggles or face shield.
Other protective equipment	Eye wash facility. Emergency shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Color	Transparent
Odor	Weak	Boiling point	>392 °F (>200 °C)
Density	1.16 g/cm ³	Solubility in water	Insoluble
pH	Not established	Flash point	>392 °F (>200 °C)
Explosion Properties	Not explosive		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage and handling conditions. Decomposes at high temperatures.
Conditions to avoid	Avoid temperatures above 104 °F (40 °C).
Materials to avoid	Oxidizing agents, strong acids and strong bases.
Hazardous reactions	Does not occur at recommended storage and handling conditions.
Hazardous decomposition products	Does not occur at recommended storage and handling conditions.

11. TOXICOLOGICAL INFORMATION

Inhalation	Not applicable at room temperature. Irritating vapor can be formed when heated.
Ingestion	May be irritating to mouth and pharynx.
Skin contact	Irritating to skin.
Eye contact	Irritating to eyes. May cause sting.
Sensitization	Prolonged or repeated skin contact may result in allergic eczema.

Information on ingredients

Chemical name	Reaction product: bisphenol A -(epichlorhydrin); epoxy resin (number average molecular weight <700)
Acute Toxicity - Oral	LD ₅₀ , oral rat: >5000 mg/kg.
Sensitization	May cause sensitization with allergic eczema.

Chemical name	Oxirane, mono((C₁₂₋₁₄-alkyloxy)methyl) derivs
Acute Toxicity - Oral	LD ₅₀ , oral rat: 2900 mg/kg.
Sensitization	May cause sensitization with allergic eczema.

12. ECOLOGICAL INFORMATION

Do not allow to enter waste water canal, waterways or soil.

Information on ingredients

Chemical name	Reaction product: bisphenol A -(epichlorhydrin); epoxy resin (number average molecular weight <700)
Persistence/degradability	The substance is poorly biodegradable.
Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical name	Oxirane, mono((C₁₂₋₁₄-alkyloxy)methyl) derivs
Persistence/degradability	The substance is poorly biodegradable.
Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. LC ₅₀ fish: 10-100 mg/l.

13. DISPOSAL CONSIDERATIONS

Waste of residues	Disposal according to the local, state and federal legislation. Forward for disposal. Curing is recommended.
Contaminated packaging	Disposal according to the local, state and federal legislation.
Other information	Any national regulations about epoxy products should be followed (see section 15).

14. TRANSPORT INFORMATION

DOT regulations

Identification number	None
Proper shipping name	None

Hazard class	None
Packing group	None
Label	None
NMFC Item #	None
Class	None

International transport regulations Road (ADR), Railway (RID), Sea (IMDG), Air (IATA)

UN number	None
Proper shipping name	None
Class	None
Packing group	None

15. REGULATORY INFORMATION

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

Risk phrases Irritating to eyes and skin [=R36/38].
 May cause sensitization by skin contact [=R43].
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment [=R51/53].

Safety phrases After contact with skin, wash immediately with plenty of water and soap [=S28].
 Wear suitable protective clothing, gloves and eye/face protection [=S36/37/39].
 Avoid release to the environment. Refer to special instructions/Safety data sheets [=S61].

Contains Reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <700).
 Oxirane, mono((C₁₂₋₁₄-alkyloxy)methyl) derives.
 Benzyl Alcohol

Additional label Phrases Contains epoxy constituents. See information supplied by the manufacturer.

CERCLA – SARA Hazard Category This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the SARA Title III 1986 and is considered under applicable definitions to meet the following categories:
 None.

SARA Section 313 This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the SARA 1986 and 40 CFR part 372: None.

Toxic Substances Control Act This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:
 Benzyl alcohol, CAS No 100-51-6.

Definition SARA – Superfund Amendment Reauthorization Act.

16. OTHER INFORMATION

This product is used together with Flowshield SL, Quartz, Flowtex Hardener B and Filler C. Base A and Hardener B react while developing heat. Complete curing time is 5-7 days. For instructions for application, see separate product information. See also separate safety data sheet for Hardener B.

HMIS Ratings

Health	2
Flammability	1
Reactivity	0
Personal protection	-

The ratings assigned by Flowcrete are only suggested ratings; the contractor/employer has ultimate responsibility for HMIS rating where this system is used.

Personal Protection

This code is left blank as it depends on application technique and the workplace ventilation.

Please read this MSDS before deciding on appropriate protective equipment and beginning work.

There are codes available for this section which can be obtained from Labelmaster.

History

Version Country / Language United States / English

Date previous issue -

Changes in comparison with the previous issue

This safety data sheet is based on Flowcrete North America Inc's present knowledge and experience, and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.