



Safety Data Sheet Flexible Cement II – Part B

Version: 2.0

Revision Date: 06/11/2025

Page: 1 of 6

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Flexible Cement II – Part B
Recommended use : Part of polymer concrete repair system
Company : Roadware Incorporated
Address : 381 Bridgepoint Way
South Saint Paul, MN 55075
Phone : 651-457-6122
Emergency Telephone Numbers : Chem-Tel: 800-255-3924
Restrictions on use : For professional or industrial use only

2. HAZARDS IDENTIFICATION

GHS Classification

Respiratory sensitization : Category 1
Skin sensitization : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements:

H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements:

Prevention: P261 Avoid breathing mist or vapors. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. P285 In case of inadequate ventilation wear respiratory protection.

Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P341 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. P363 Wash contaminated clothing before reuse.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Carcinogenicity:

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



Safety Data Sheet Flexible Cement II – Part B

Version: 2.0

Revision Date: 06/11/2025

Page: 2 of 6

Response statements:

None

Section 3. Composition / Information on Ingredients

This product is a mixture.

Hazardous Components

Chemical Name	CAS Number	Concentration
3-trimethoxysilylpropane-1-thiol	4420-74-0	1 - 5
glycerol	56-81-5	1 - 5
dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7	0.1-1
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl)	57636-09-6	0.1-1

Specific chemical identities and exact percentages may have been withheld as a trade secret or CBI in compliance with 29 CFR 1910.1200 (i).

4. First Aid Measures

General Advice	Take proper precautions to ensure your own health and safety before attempting rescue or administering first aid. Wear protective gloves. See section 8 for recommendations.
Skin Contact	After contact with skin, wash with plenty of soap and water. If irritation or rash develops, seek medical advice.
Eye Contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. If eye irritation persists get medical advise/attention.
Inhalation	If inhaled, move affected persons to fresh air. If not breathing, give artificial respiration. Get medical attention immediately. Treatment is symptomatic for primary irritation. If breathing is labored, qualified personnel should administer oxygen.
Ingestion	If swallowed, Wash out mouth with water. Drink 1-2 glasses of water but DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.
Most important symptoms and effects (acute and delayed)	No relevant information
Notes to Physician	Symptomatic and supportive therapy as needed.

5. Firefighting Measures

Suitable Extinguishing Media	Dry chemical, Carbon Dioxide (CO ₂), alcohol resistant foam, water fog.
Not Suitable Extinguishing Media	Avoid high volume water jet, may spread fire.
Special exposure hazards	In a fire or if heated, a pressure increase will occur and the container may burst. Produces oxides of carbon and nitrogen. Combustion products may be toxic and/or irritating. Avoid smoke.
Special protective equipment for fire-fighters	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet and protective clothing should be worn.
Special remarks on explosion hazards	None

6. Accidental Release Measures

Personal protection	Immediately contact emergency personnel. Isolate the area. Keep upwind avoiding inhalation of vapors. Clean up should only be performed by trained personnel. People
---------------------	--



Safety Data Sheet Flexible Cement II – Part B

Version: 2.0

Revision Date: 06/11/2025

Page: 3 of 6

	dealing with major spillages should wear full protective clothing including respiratory protection. Use suitable protective equipment (see section 8).
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	Contain and adsorb large spillages onto an inert, non-flammable adsorbent carrier (such as earth, vermiculite or sand). Shovel into open-top drums or plastic bags for further decontamination if necessary. Dispose of in accordance with federal, state and local regulations

7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Keep container in a cool, well-ventilated area. Keep container tightly closed.
Safe storage temperature	60 - 100° F

8. Exposure Controls / Personal Protection

Exposure Limits

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (mist, total dust)	15 mg/m ³	OSHA Z-1
		TWA (Total)	10 mg/m ³	OSHA P0
		TWA (Respirable fraction)	5 mg/m ³	OSHA P0
		TWA	10 mg/m ³	ACGIH
		TWA (Mist - total dust)	10 mg/m ³	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m ³	OSHA P0
dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7	TWA	0.1 mg/m ³	OSHA Z-1
		TWA	0.1 mg/m ³	ACGIH
		STEL	0.2 mg/m ³	ACGIH
		TWA	0.1 mg/m ³	OSHA P0



Safety Data Sheet

Flexible Cement II – Part B

Version: 2.0

Revision Date: 06/11/2025

Page: 4 of 6

		TWA	0.1 mg/m3	OSHA Z-1
		TWA	0.1 mg/m3	ACGIH
		STEL	0.2 mg/m3	ACGIH
		TWA	0.1 mg/m3	OSHA P0
		TWA	0.1 mg/m3	NIOSH REL

Preventive Measures	Conditions of use, adequacy of engineering or other control measures and actual exposures will dictate the need for specific protective devices at your workplace.
Engineering Controls	Maintain adequate ventilation when using. Use local exhaust to when necessary.
Personal Protection	
Eyes	Chemical safety goggles. If there is a potential for splashing, use a full face shield.
Skin	Protective clothing should be selected and used in accordance with 'Guidelines for the Selection of Chemical Protective Clothing' published by ACGIH.
Respiratory	Maintain adequate ventilation.
Hands	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. Nitrile rubber has shown good results. Thin latex or vinyl disposable gloves should be avoided. Consult with producers of protective gloves for suitability.
Other Protection	None required

9. Physical and Chemical Properties

<u>General Information</u>	
Physical state	Liquid
Color	White
Odor	Not determined
Odor Threshold	Not available
pH	Not available
Boiling point	Not available
Melting point	Not available
Flash point	> 199 °F PMCC
Explosive properties	Non-explosive in the presence of the following materials or conditions: Open flames, sparks, static discharge, shocks and mechanical impacts.
Auto-ignition temperature	Not self igniting
Evaporation Rate	Not available
Relative density	1.05
Solubility	No data available
Partition Coefficient	No data available
Decomposition temperature	No data available
Vapor pressure	Not available
Vapor density	Not Available
Viscosity	2000 cps
VOC content	0.0%

10. Stability and Reactivity

Stability and reactivity	Stable at room temperature.
Conditions of instability	Avoid high temperatures.
Incompatibility with various substances	Strong oxidizing agents, acids, bases and unintended isocyanates .
Hazardous polymerization	Polymerization may occur with incompatible reactants, especially strong oxidizers.
Hazardous decomposition products	Combustion products may include: carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), hydrocarbons and other undetermined components.

11. Toxicological Information



Safety Data Sheet

Flexible Cement II – Part B

Version: 2.0

Revision Date: 06/11/2025

Page: 5 of 6

Likely routes of exposure:	Skin contact, inhalation, eye contact
Acute Toxicity	<i>Inhalation:</i> Minimally toxic. <i>Oral:</i> Minimally toxic. May cause gastro-intestinal pain, nausea, and vomiting. <i>Dermal:</i> Minimally toxic. May cause dryness leading to itching and dermatitis.
Skin Corrosion Skin Irritation	Causes skin irritation, redness, dryness or roughness. Not considered a skin corrosive
Eye Damage Eye Irritation	Irritating to eyes. Not expected to cause serious eye damage
Respiratory or Skin sensitization	Not expected to be a skin or respiratory sensitizer.
Carcinogenicity	Not considered a human carcinogen as defined by the IARC, NTP, OSHA.
Germ Cell Mutagenicity	Negative
Reproductive toxicity	No reproductive effects. No teratogenic effects on fetal development.
Target Organ Systematic Toxicity – Single Exposure	Not expected to cause organ damage from exposure
Target Organ Systematic Toxicity – Repeated Exposure	Not expected to cause organ damage from prolonged or repeated exposure.
Aspiration Toxicity	Not considered to be an aspiration hazard.

12. Ecological Information

No product specific ecological information is available. Data obtained on components are summarized below.

Component	
Persistence and degradability	No data available
Mobility	No data available
Bioaccumulation	No data available
Ecotoxicity effects	No data available
Aquatic toxicity	No data available

13. Disposal Considerations

Waste disposal	The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Contaminated containers should be emptied. Do not reuse containers. Do not burn or use a cutting torch on empty containers.
U.S. EPA RCRA	EPA resource recovery act (RCRA) composite list of hazardous wastes and Appendix VIII Hazardous constituents (40 CFR 261): Under RCRA, it is the responsibility of the person who generates a solid waste to determine if that waste is a hazardous waste as defined by 40 CFR 261.2.

14. Transportation Information

Regulatory Information	UN Number	Proper Shipping Name	Class	PG*	Label	Additional information
DOT Classification	Not regulated					
TDG Classification	Not regulated					
IMDG Class	Not regulated					
IATA-DGR Class	Not regulated					



Safety Data Sheet
Flexible Cement II – Part B

Version: 2.0

Revision Date: 06/11/2025

Page: 6 of 6

15. Regulatory Information

United States Federal Regulations	
U.S. Toxic Substances Control Act (TSCA 8b)	All components are listed or exempted.
CERCLA – reportable quantity, calculated	Does not contain any components subject to reporting
SARA 304 Extremely Hazardous Substances RQ	Does not contain any components subject to reporting
SARA 311 / 312	Does not contain any listed components
EPA Community Right To Know Act (EPCRA) SARA Title III Section 313, components requiring notification.	Does not contain any components subject to reporting
Clean Air Act, Components listed as HAP	Does not contain any components subject to reporting
Clean Water Act, Section 311, Table 116.4A	Does not contain any components subject to reporting
Clean Water Act, Section 311, Table 117.3	Does not contain any components subject to reporting
Clean Water Act, Section 307	Does not contain any components subject to reporting
California Prop 65	Does not contain any listed components
DRC Conflict materials	Based upon information from our suppliers this product is "DRC Conflict Free" as defined by the SEC Conflict Minerals Final Rule.

Canadian Regulations	
WHMIS (Canada)	Does not contain any listed components
CEPA (DSL)	Canada inventory: All components are listed or exempted.

16. Other Information

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, *NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.*

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Disclaimer:

The data set forth in this sheet is based on information provided by the suppliers of raw materials and chemicals used in the manufacture of the aforementioned product. Roadware Incorporated makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.