



CFS-1C Polyaspartic Safety Data Sheet

SDS Revision Date: 4/12/2023

1. Identification

1.1. Product Identifier

Product Identity: CFS-1C Polyaspartic

Alternate Names: CFS-1C Polyaspartic

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended Use: Polyaspartic prepolymer concrete floor coating material.

1.3. Details of the supplier of the safety data sheet

Company Name: Concrete Floor Solutions Inc.
6801 Tilghman Street #113
Allentown, PA 18106

Customer Service: 610-366-0208

1.4. Emergency Telephone Number

Emergency Number: CHEMTREC within USA and Canada:
1-800-424-9300 CCN709733 or
+1-703-527-3887 (collect calls accepted)
+1-703-741-5500 (from anywhere in world)

2. Hazard(s) Identification

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226 Flammable liquid and vapor.

2.2. Label elements



Warning

H226 Flammable liquid and vapor.

(Prevention):

P210 Keep away from heat, sparks, open flames, and other ignition sources. - No smoking.

P233 Keep container tightly closed.

P240 Ground, bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, light, equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves, eye protection, face protection.

(Response):

P303 + 361 + 353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

(Storage):

P403+ 235 Store in a well ventilated place. Keep cool.

(Disposal):

P501 Dispose of contents or containers in accordance with local and national regulations.

3. Composition/Information on Ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Proprietary Polymer CAS Number: Proprietary	100	Not Classified	----

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

4. First Aid Measures

4.1. Description of first aid measures

General - In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes - Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin - Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion - If swallowed, obtain immediate medical attention. Keep at rest.

Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview:

Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation, and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. Check section 2.2 (GHS Label Elements) for further details.

5. Fire Fighting Measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Keep away from heat, sparks, open flames, and other ignition sources - no smoking.

Keep the container tightly closed.

Ground, bond container and receiving equipment.

Use explosion-proof electrical, ventilating light, equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

5.3. Advice for firefighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full facepiece and protective clothing. Persons without respiratory protection should leave the area. Wear SCBA during clean-up immediately after fire. No smoking.

ERG Guide No. –

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using the toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

7. Handling and Storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage or spillage.

Check section 2.2 (GHS Label Elements) for further details. - (Prevention):

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong oxidizing agents and acids.

Check section 2.2 (GHS Label Elements) for further details. - (Storage):

7.3. Specific end use(s)

No data available.

8. Exposure Controls/Personal Protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
Proprietary	Proprietary Polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Respiratory

Use NIOSH approved respirator suitable for organic vapors.

Eyes

Protective safety glasses recommended

Skin

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact. Protective gloves recommended.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of

particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using the toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Color: Amber clear Physical State: Liquid
Odor	Solvent odor
Odor threshold	Not determined
pH	Not measured
Melting point/freezing point	Not measured
Initial boiling point/boiling range	Not measured
Flash point	47 °C (116.6 °F)
Evaporation rate (Ether=1)	Not measured
Flammability (solid,gas)	Not applicable
Upper/lower flammability/explosive limits	Not measured
Vapor pressure (Pa)	Not measured
Vapor density	Not measured
Relative density	Not measured
Solubility in water	Not measured
Partition coefficient n-octanol/water (Log Kow)	Not measured
Auto-ignition temperature	47 °C (116.6 °F)
Decomposition temperature	Not measured
Viscosity (cSt)	Not measured

9.2. Other information

No other relevant information.

10. Stability and Reactivity

10.1. Reactivity

Hazardous polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Excessive heat and open flame

10.5. Incompatible materials

Strong oxidizing agents and acids

10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

11. Toxicological Information

Acute Toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Proprietary Polymer - (Proprietary)	No data available	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
Proprietary	Proprietary Polymer	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No

		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity(oral)	—	Not Applicable
Acute toxicity(dermal)	—	Not Applicable
Acute toxicity(inhalation)	—	Not Applicable
Skin corrosion/irritation	—	Not Applicable
Serious eye damage/irritation	—	Not Applicable
Respiratory sensitization	—	Not Applicable
Skin sensitization	—	Not Applicable
Germ cell mutagenicity	—	Not Applicable
Carcinogenicity	—	Not Applicable
Reproductive toxicity	—	Not Applicable
STOT-single exposure	—	Not Applicable
STOT-repeated exposure	—	Not Applicable
Aspiration hazard	—	Not Applicable

12. Ecological Information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Proprietary Polymer -	Not Available	Not Available	Not Available

(Proprietary)			
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12.2. Persistence and Degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative Potential

Not Measured

12.4. Mobility in Soil

No Data Available

12.5. Results of PBT and vPvB Assessment

This product contains no PBT/vPvB chemicals.

12.6. Other Adverse Effects

No data Available.

13. Disposal Considerations

13.1. Waste Treatment Methods

Observe all federal, state, and local regulations when disposing of this substance.

14. Transport Information

	DOT (Domestic Surface Transportation)	IMO/IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN Number	Not regulated	Not Regulated	Not Regulated
14.2. UN Proper Shipping Name	Not regulated	Not Regulated	Not Regulated
14.3. Transport Hazard Class(es)	DOT Hazard Class: Not Applicable Sub Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable Sub Class: Not Applicable
14.4. Packing Group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental Hazards	IMDG Marine Pollutant: No;		
14.6. Special precautions for user	Not Applicable		

15. Regulatory Information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

16. Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

Not Applicable

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is

important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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