Poly-Crete Colorfast Resin
SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Poly-Crete Colorfast Resin

Recommended use: Floor Surfacing

Manufacturer Name: Dur-A-Flex, Inc.
95 Goodwin Street
East Hartford, CT 06108
Telephone number: 860-528-9838

Emergency phone number: 1-800- 424-9300 (CHEMTREC)

Date of Preparation: January 31, 2014

2. HAZARD(S) IDENTIFICATION

This product is one part of a 3 part product. Read and understand the hazard information on the SDS for Poly-Crete Colorfast Hardener and Poly-Crete Aggregate before using this product.

Classification:

Physical	Health
Not Hazardous	Specific Target Organ Toxicity – Repeat Exposure Category 2

Labeling:

Warning!

Hazard statement(s)

May cause damage to kidneys through prolonged or repeated exposure.

Precautionary statement(s)

Do not breathe mist, vapors or spray.
Get medical attention if you feel unwell.
Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Polyol Blend	Mixture	30-60%
Crystalline Silica (inextricably bound)	14808-60-7	10-20%
Kaolin (inextricably bound)	1332-58-7	5-10%
Titanium Dioxide (inextricably bound)	13463-67-7	1-5%
Diethylene Glycol	111-46-6	1-5%
Carbon Black (inextricably bound)	1333-86-4	<1%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. If irritation occurs or breathing is difficult, get medical attention.
Skin contact: Wash with soap and water. If irritation develops and persists, get medical attention.
Eye contact: Flush with large quantities of water, holding the eyelids apart. Get medical attention if irritation persists.
Ingestion: If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

Most important symptoms/effects, acute and delayed: Prolonged overexposure to diethylene glycol has been shown to cause kidney damage in animal studies.

Indication of immediate medical attention and special treatment, if necessary: None expected under normal conditions of use. If large amounts are swallowed, get medical attention.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use water spray, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Specific hazards arising from the chemical: Combustion may produce carbon oxides.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent. Place into an appropriate container for disposal. Wash spill site with soap and water.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wash thoroughly after handling and before eating, drinking, smoking or using the toilet. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities: Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from physical damage. Store away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Polyol Blend	None Established
Crystalline Silica	10 mg/m^3 TWA OSHA PEL (respirable fraction) % Silica + 2 0.025 mg/m3 TWA ACGIH TLV (respirable fraction)
Kaolin	5 mg/m^3 TWA OSHA PEL (respirable fraction) 15 mg/m^3 TWA OSHA PEL (total dust) 2 mg/m^3 TWA ACGIH TLV (respirable fraction)
Titanium Dioxide	15 mg/m3 TWA OSHA PEL (total dust) 10 mg/m3 TWA ACGIH TLV
Diethylene Glycol	10 mg/m3 TWA AIHA WEEL
Carbon Black	3.5 mg/m3 TWA OSHA PEL 3 mg/m3 TWA ACGIH TLV (inhalable)

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposures below occupational exposure limits.

Personal Protective Equipment:
Respiratory protection: If the exposures are excessive, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice**.**
Skin protection: Wear impervious gloves such as nitrile or butyl rubber.
Eye protection: Chemical safety goggles recommended.
Other: Impervious clothing as needed to prevent contact. An eye wash should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Colored, viscous liquid
Odor: Faint aromatic odor

Odor threshold: Not available	**pH:** Not available
Melting Point/Freezing Point: - Not available	**Boiling Point:** 212°F / 100°C
Flash point: 540 °F / 282.2°C	**Evaporation rate:** <1 (butyl acetate = 1)
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not available	**UEL:** Not available
Vapor pressure: Not available	**Vapor density:** >1

Relative density: >1	**Solubility:** Dispersible in water
Partition coefficient: n-Octanol/water: Not applicable	**Auto-ignition temperature:** Not available
Decomposition temperature: Not available	**Viscosity:** Not available

10. STABILITY AND REACTIVITY

Reactivity: None known.
Chemical stability: Stable
Possibility of hazardous reactions: None known.
Conditions to avoid: Avoid excessive heat.
Incompatible materials: Avoid contact with oxidizing agents.
Hazardous decomposition products: Thermal decomposition may produce carbon oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation: Excessive inhalation of mists may cause mucous membrane and upper respiratory tract irritation.
Ingestion: Swallowing may cause gastrointestinal irritation, nausea and diarrhea.
Skin contact: Prolonged skin contact may cause irritation.
Eye contact: May cause irritation with redness and tearing.

Chronic effects from short- and long-term exposure: Prolonged overexposure to diethylene glycol has been shown to cause kidney damage in animal studies.

Reproductive Toxicity: This product is not expected to cause adverse reproductive or developmental effects.

Sensitization: None of the components have been shown to cause sensitization in humans or animals. .

Mutagenicity: This product is not expected to cause mutagenic activity.

Carcinogenicity: Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. Carbon black is listed as "Possibly Carcinogenic to Humans" (Group 2B) by IARC. These chemicals are inextricably bound in a polymer matrix and no exposure occurs during use.

Acute Toxicity Values:
Polyol Blend: No toxicity data available.
Crystalline Silica, Quartz: Oral rat LD50 >22,500 mg/kg
Kaolin: Oral rat LD50 >5000 mg/kg; Dermal rat LD50 >5000 mg/kg
Titanium Dioxide: Oral rat LD50 >5000 mg/kg; Inhalation rat LC50 > 6.82 mg/L /4 hr
Diethylene glycol: Oral rat LD50 12,565 mg/kg; Dermal rabbit LD50 11,890 mg/kg
Carbon Black: Oral rat LD50 >8000 mg/kg; Inhalation rat LC50 > 4.6 mg/m^3/4 hr

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Polyol Blend: No data available
Crystalline Silica: 72 hr LC50 carp >10,000 mg/L
Kaolin: No data available
Titanium Dioxide: 72 hr EC50 Pseudokirchnerella subcapitata 61 mg/L

Diethylene glycol: 96 hr LC50 Lepomis macrochirus 1000 mg/L;
Carbon Black: 96 hr Danio rerio LC0 1000 mg/L; 24 hr EC50 daphnia magna >5600 mg/L; 72 hr EC50 >10000 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances such as carbon black, kaolin, titanium dioxide and crystalline silica. Diethylene glycol is readily biodegradable.
Bioaccumulative potential: Diethylene glycol has a BCF of 3.
Mobility in soil: Diethylene glycol has a high mobility in soil.
Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	None
TDG	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Chronic Health

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65
This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects): None (carbon black, crystalline silica and titanium dioxide are inextricably bound)

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:
Canadian WHMIS Classification: Class D Division 2 Subdivision B (Toxic Material Causing other Toxic Effects)
This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 1 Flammability = 1 Instability = 0
HMIS Rating: Health = 1 Flammability = 1 Physical Hazard = 0

SDS Revision History: Converted to GHS format. All sections revised.
Date of preparation: January 31, 2014
Date of last revision: New SDS

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND USE.