

## Cryl-A-Color SAFETY DATA SHEET

**1. IDENTIFICATION**

**Product Identifier:** Cryl-A-Color

**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:** February 28, 2015

**2. HAZARD(S) IDENTIFICATION**

**Classification:**

Physical	Health
Not Hazardous	Skin Irritation Category 2 Eye Irritation Category 2A Skin Sensitization Category 1 Specific Target Organ Toxicity Single Exposure Category 3 (Respiratory Irritation)

**Labeling:**

**Danger!**



**Hazard statement(s)**

Causes skin irritation.  
May cause an allergic skin reaction  
Causes serious eye irritation.  
May cause respiratory irritation.

**Precautionary statement(s)**

Avoid breathing mist, vapors or spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves and eye protection.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical attention.  
Take off contaminated clothing and wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical attention.  
Store locked up.  
Dispose of contents and container in accordance with local and national regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Tripropylene Glycol Diacrylate	42978-66-5	50-55%
Titanium Dioxide*	13463-67-7	15-20%
CI Pigment Yellow** (Bismuth Vanadate)	14059-33-7	1-5%

\* The titanium dioxide in this product is inextricably bound in a manner that no exposure occurs during normal use and handling. Therefore this product is not classified as a carcinogen.

\*\* The CI Pigment Yellow in this product is inextricably bound in a manner that no exposure occurs during normal use and handling. Therefore the product is not classified for Specific Target Organ Toxicity Repeat Exposure Category 2.

**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. Seek medical attention if irritation or other symptoms develop.

**Skin contact:** Remove contaminated clothing. Wash with soap and water. If irritation or rash develops, get medical attention.

**Eye contact:** Immediately flush eyes with large amounts of water for several minutes, holding eyelids open. Get medical attention if irritation persists.

**Ingestion:** If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

**Most important symptoms/effects, acute and delayed:** Causes eye irritation with redness and tearing. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation, coughing and difficulty in breathing. Ingestion may cause gastrointestinal irritation, nausea, vomiting or diarrhea.

**Indication of immediate medical attention and special treatment, if necessary:** No immediate medical attention is required.

### 5. FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** Use foam, carbon dioxide or dry chemical to extinguish.

**Specific hazards arising from the chemical:** Combustion may produce carbon oxides and various hydrocarbons.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

## 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:** Collect with an inert absorbent and place into a container for disposal. Wash spill site with 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. Use with adequate ventilation.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, dry location away from oxidizing agents and other incompatible materials. Protect from physical damage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

Tripolyene Glycol Diacrylate	None Established
Titanium Dioxide	15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 10 mg/ m <sup>3</sup> TWA ACGIH TLV
CI Pigment Yellow (Bismuth Vanadate)	0.5 mg/m <sup>3</sup> Ceiling OSHA PEL (respirable dust) (as vanadium pentoxide) 0.1 mg/mg Ceiling OSHA PEL (fume) (as vanadium pentoxide) 0.05 mg/m <sup>3</sup> TWA ACGIH TLV (as vanadium pentoxide)

**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 a dust/mist filter 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:** Impervious gloves such as nitrile are recommended to prevent skin contact

**Eye protection:** Chemical goggles are recommended if eye contact is possible.

**Other:** Impervious clothing as needed to prevent contact. An eye wash and safety shower should be available in the immediate work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, color, etc.):** Yellow pigmented paste.

**Odor:** Characteristic odor.

<b>Odor threshold:</b> Not available	<b>pH:</b> Not available
<b>Melting Point/Freezing Point:</b> Not available	<b>Boiling Point:</b> Not available
<b>Flash point:</b> Not flammable	<b>Evaporation rate:</b> <1
<b>Flammability (solid, gas):</b> Not applicable	
<b>Flammable limits: LEL:</b> Not available	<b>UEL:</b> Not available
<b>Vapor pressure:</b> Not available	<b>Vapor density:</b> Not available
<b>Relative density:</b> 1.388	<b>Solubility(is):</b> Negligible
<b>Partition coefficient: n-Octanol/water:</b> Not applicable	<b>Auto-ignition temperature:</b> Not available
<b>Decomposition temperature:</b> Not available	<b>Viscosity:</b> Not available

## 10. STABILITY AND REACTIVITY

**Reactivity:** May polymerize in contact with heat, light and incompatible materials.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** Polymerization occurs when exposure to white light, ultraviolet light and heat. Exothermic reactions may occur when exposure to radical forming initiators, peroxides, strong alkalis and reactive metals.

**Conditions to avoid:** None known.

**Incompatible materials:** Avoid strong oxidizing agents, strong alkalis, peroxides and acids.

**Hazardous decomposition products:** Thermal decomposition may produce carbon monoxide, carbon dioxide and various hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation:** Inhalation of vapors or mists may cause irritation of the nose, throat and upper respiratory tract, difficulty in breathing and coughing.

**Ingestion:** Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin contact:** Causes skin irritation with redness, itching and burning.

**Eye contact:** Causes irritation with redness, tearing and blurred vision.

**Chronic effects from short- and long-term exposure:** Prolonged overexposure to bismuth vanadate by inhalation may cause lung damage.

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

**Sensitization:** This product has not been shown to cause sensitization in animals or humans.

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

**Carcinogenicity:** Titanium dioxide is listed by IARC as a group 2B carcinogen (possibly carcinogenic to humans). These component is encapsulated in a polymer matrix so no inhalable exposure occurs during use or disposal. None of the other components greater than 0.1% are listed by OSHA, IARC, NTP or ACGIH as a carcinogen.

**Acute Toxicity Values:**

Tripropylene Glycol Diacrylate: Oral rat LD50 >2000 mg/kg, Inhalation rat LC0 0.016 mg/L/7 hr, Dermal rabbit LD50 >2000 mg/kg

Titanium Dioxide: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >6.82 mg/L/4 hr

CI Pigment Yellow: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 > 5.15 mg/L

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

Tripropylene Glycol Diacrylate: 96 hr LC50 Leuciscus idus > 4.6 mg/L, 48 hr EC50 daphnia magna 89 mg/L, 72 hr EC50 Desmodesmus subspicatus 65.9 mg/L

Titanium Dioxide: 96 hr LC50 Pimephales promelas >1000 mg/L, 48 hr EC50 daphnia magna >1000 mg/L, 72 hr EC50 Pseudokirchneriella subcapitata 61 mg/L

CI Pigment Yellow: 96 hr LC50 Danio rerio > 10000 mg/L, 48 hr EC50 daphnia magna >100 mg/L, 72 hr EC50 >100 mg/L

**Persistence and degradability:** Tripropylene glycol diacrylate is not readily biodegradable.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**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
<b>DOT</b>	None	Not Regulated	None	None	None
<b>TDG</b>	None	Not Regulated	None	None	None
<b>IMDG</b>	UN 3082	Environmentally hazardous substances, liquid, n.o.s. (Tripropylene Glycol Diacrylate)	9	PG III	None
<b>IATA</b>	UN 3082	Environmentally hazardous substances, liquid, n.o.s. (Tripropylene Glycol Diacrylate)	9	PG III	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):** Class D Division 2 Subdivision B (Toxic material causing other chronic effects)

**SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):**

CI Pigment Yellow (Bismuth Vanadate)	14059-33-7	1-5%
---	------------	------

### California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects): None

**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 SDS discloses information elements required by the CPR.

## 16. OTHER INFORMATION

**NFPA Rating:** Health = 2    Flammability = 1    Instability = 0  
**HMIS Rating:** Health = 2    Flammability = 1    Physical Hazard = 0

**SDS Revision History:** Converted to GHS format. All sections revised.

**Date of preparation:** February 28, 2015

**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.