

Poly-Crete NATURAL SL Colorant SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Poly-Crete NATURAL SL Colorant

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 Sensitization Category 1 Specific Target Organ Toxicity Repeat Exposure Category 1 Carcinogen Category 1A

Labeling:

Danger!



Hazard statement(s)

May cause an allergic skin reaction.
May cause cancer by inhalation
Causes damage to lung through prolonged or repeated exposure by inhalation

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood
Do not breathe dust.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
IF exposed or concerned: Get medical attention.
Wash contaminated clothing before reuse.
IF exposed or concerned: 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
Carbon Black	1333-86-4	0-100%
Titanium Dioxide	13463-67-7	0-100%
Barium Sulfate	7727-43-7	0-100%
CI Pigment Black 28	68186-91-4	0-100%
CI Blue Pigment 36	68187-11-1	0-100%
CI Green Pigment 50	68186-85-6	0-100%
CI Pigment Brown 24	68186-90-3	0-100%
Chromium oxide	1308-38-9	0-100%

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: Flush eyes thoroughly with large amounts of water, holding eyelids open. If irritation occurs and persists, seek medical attention.

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: Dust may cause eye and respiratory irritation. May cause mechanical skin irritation. May cause an allergic skin reaction. Prolonged inhalation of dust may cause lung damage.

Indication of immediate medical attention and special treatment, if necessary: None required under normal conditions of use.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use media appropriate for the surrounding fire.

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

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. Avoid breathing dust.

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: Scoop or sweep up and place into a container for disposal. Avoid generating dust.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Do not breathe dust. Wash thoroughly after handling. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities: No special storage required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Carbon Black	3.5 mg/m ³ TWA OSHA PEL 3 mg/m ³ TWA ACGIH TLV
Titanium Dioxide	15 mg/m ³ TWA OSHA PEL (total dust) 10 mg/m ³ TWA ACGIH TLV
Barium Sulfate	5 mg/m ³ TWA OSHA PEL (respirable fraction) 15 mg/m ³ TWA OSHA PEL (total dust) 5 mg/m ³ TWA ACGIH TLV (inhalable fraction)
CI Pigment Black 28	0.5 mg/m ³ TWA OSHA PEL (as inorganic Cr compounds) 0.5 mg/m ³ TWA ACGIH TLV (as inorganic Cr compounds) 1 mg/m ³ TWA OSHA PEL (as Cu dust and mists) 1 mg/m ³ TWA ACGIH TLV (as Cu dust and mists)
CI Blue Pigment 36	0.5 mg/m ³ TWA OSHA PEL (as inorganic Cr compounds) 0.5 mg/m ³ TWA ACGIH TLV (as inorganic Cr compounds) 0.1 mg/m ³ TWA OSHA PEL (as Co dust and fumes) 0.02 mg/m ³ TWA ACGIH TLV (as Co metal and inorganic compounds)
CI Green Pigment 50	0.1 mg/m ³ TWA OSHA PEL (as Co dust and fumes) 0.02 mg/m ³ TWA ACGIH TLV (as Co metal and inorganic compounds) 1 mg/m ³ TWA OSHA PEL (as Ni metal and insoluble compounds) 0.2 mg/m ³ TWA ACGIH TLV (as Ni metal and insoluble compounds)
CI Pigment Brown 24	0.5 mg/m ³ TWA OSHA PEL (as inorganic Cr compounds) 0.5 mg/m ³ TWA ACGIH TLV (as inorganic Cr compounds) 0.5 mg/m ³ TWA OSHA PEL (as Sb compounds) 0.5 mg/m ³ TWA ACGIH TLV (as Sb compounds)
Chromium Oxide	0.5 mg/m ³ TWA OSHA PEL (as inorganic Cr compounds) 0.5 mg/m ³ TWA ACGIH TLV (as inorganic Cr compounds)

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

Personal Protective Equipment:

Respiratory protection: If the exposures limits are exceeded, 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 rubber are recommended to prevent skin contact

Eye protection: Chemical safety glasses with sideshields are recommended to avoid eye contact. .

Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Colored powder.

Odor: No odor

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

10. STABILITY AND REACTIVITY

Reactivity: None known.

Chemical stability: Stable.

Possibility of hazardous reactions: Not expected to be reactive.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION

Inhalation: Excessive inhalation of dust may cause upper respiratory tract irritation, coughing and difficulty in breathing.

Ingestion: Swallowing may cause gastrointestinal irritation and nausea.

Skin contact: May cause mechanical skin irritation. May cause an allergic skin reaction.

Eye contact: May cause mechanical irritation with redness and tearing.

Chronic effects from short- and long-term exposure: Prolonged inhalation of respirable dust may cause adverse lung effects.

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: This product contains nickel, and cobalt compounds. Nickel is listed by IARC as a “Possibly Carcinogenic to Humans”, Group 2B, by NTP as “Known to be a Human Carcinogen” and by ACGIH as a “Confirmed Human Carcinogen”, A1. Cobalt compounds and carbon black are listed by IARC as a “Possibly Carcinogenic to Humans” and by ACGIH as a “Confirmed Animal Carcinogen, A3. Titanium dioxide is listed by IARC as a “Possibly Carcinogenic to Humans”, Group 2B. None of the other components are listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Carbon Black: Oral rat LD50 > 8000 mg/kg, Inhalation rat LC50 > 4.6 mg/m³/4 hr.
 Titanium Dioxide: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >6.82 mg/L/4 hr
 Barium Sulfate: Oral rat LD50 307 g/kg, Dermal rat LD50 >2000 mg/kg
 CI Pigment Black 28: Oral rat LD50 > 10000 mg/kg, Inhalation rat LC50 >11.1 mg/L/4 hr
 CI Blue Pigment 36: Oral rat LD50 > 10000 mg/kg, Inhalation rat LC50 >5.05 mg/L/4 hr
 CI Green Pigment 50: Oral rat LD50 > 10000 mg/kg
 CI Pigment Brown 24: Oral rat LD50 > 10000 mg/kg
 Chromium oxide: Oral rat LD50 >15000 mg/kg, Inhalation rat LC50 >5.41 mg/L/4 hr

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Carbon Black: 96 hr LC0 Danio rerio 1000 mg/L, 24 hr EC50 daphnia magna > 5600 mg/L, EC50 Desmodesmus subspicatus > 10000 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
 Barium Sulfate: 96 he LC50 Danio rerio >3.5 mg/L, 48 hr EC50 daphnia magna 14500 ug/L, 72 he EC50 Pseudokirchnerella subcapitata > 1.15 mg/L
 CI Pigment Black 28: No data available
 CI Blue Pigment 36: No data available
 CI Green Pigment 50: 96 hr LC50 Leuciscus idus>10000mg/L, 48 hr EC50 daphnia magna >100 mg/L, 72 hr EC50 Desmodesmus subspicatus >100 mg/L
 CI Pigment Brown 24: 96 hr LC50 Leuciscus idus>10000mg/L, 48 hr EC50 daphnia magna >100 mg/L, 72 hr EC50 Desmodesmus subspicatus >100 mg/L
 Chromium oxide: 96 hr LC50 >10000 mg/L, 72 hr EC50 Desmodesmus subspicatus >848.6 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances.

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
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): Acute Health, 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):

CI Pigment Black 28 (chromium III, copper compounds)	68186-91-4	0-100%
CI Blue Pigment 36 (chromium III, cobalt compounds)	68187-11-1	0-100%
CI Green Pigment 50 (cobalt, nickel, zinc compounds)	68186-85-6	0-100%
CI Pigment Brown 24 (antimony, chromium III compounds)	68186-90-3	0-100%
Barium Sulfate (barium compounds)	7727-43-7	0-100%

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects):

Carbon black	1333-86-4	0-100%	cancer
Titanium dioxide	13463-67-7	0-100%	cancer
CI Green Pigment 50 (Nickel compounds)	68186-85-6	0-100%	cancer

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

CANADA:

Canadian WHMIS Classification: Class D Division 2A (Very toxic material causing other toxic effects), Class D Division 2B (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 = 1 Flammability = 0 Instability = 0
HMIS Rating: Health = 2* Flammability = 0 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.