

SECTION 1 Product and Company Identification

Product

Product Name: 901011XX DuraDek Cementitious Color Packs
 Product Description: Dry Pigment Additive for Concrete Overlays
 Intended Use: Integrally coloring cement-based overlays

MANUFACTURER: Florida Paints & Coatings, LLC
 STREET ADDRESS: 78 Third Street
 CITY, STATE, ZIP: Winter Garden, Florida 34787

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SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

No need for classification according to GHS criteria for this product.

GHS Label Elements: The product does not require a hazard warning label in accordance with GHS criteria.

Hazard Symbol: None.

Other hazards which do not result in classification or are not covered by the GHS

Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. May cause nose, throat, and lung irritation.

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	1	0	0
NFPA	1	0	0

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			

Black pigment	1317-61-9	ND	0 - <100%
Yellow pigment	51274-00-1	ND	0 - <46%
Red pigment	1309-37-1	ND	0 - <74%
Green Pigment	1328-53-6	ND	0 - <43%
Blue Pigment	147-14-8	ND	0 - <52%
Titanium Dioxide*	13463-67-7	ND	0 - <35%
	Trade secret		<6%

The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS are present below their cut-off levels (i.e. <0.1% for reproductive toxicity, carcinogenicity and category 1 mutagenicity and <1% for all other hazard classes.) The exact percentage of composition has been withheld as a trade secret.

* Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace. The exact percentage of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Potential acute health effects

Eye contact: May cause mechanical irritation (abrasion).

Inhalation: May cause mechanical irritation (abrasion).

Skin contact: May cause mechanical irritation (abrasion).

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.

Inhalation: No specific data.

Skin contact: No specific data.

Ingestion: No specific data.

Potential chronic health effects

Long-term exposure to high concentrations of dust containing iron oxide can cause a benign condition termed "pulmonary siderosis." This condition is not associated with any physical impairment of lung function.

Notes to physician: Treat symptomatically. No specific treatment.

Protection of first-aiders: No special measures required.

SECTION 5 Fire Fighting Measures

Extinguishing Media: Non-combustible. All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.

Special Hazards: None.

Unusual Fire and Explosion Hazard: None.

Advice for firefighters: Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6 Accidental Release Measures

Personal precautions: Avoid dust generation. Keep unnecessary and unprotected personnel away from spill. Do not touch or walk through spilled material. Put on appropriate protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff from contact with soil, waterways, drains and sewers.

Methods for clean-up: Dry spills may be scooped up. Attempt to prevent dry product (dust) from becoming airborne. Wet product may be scraped up and placed in appropriate disposal containers. Allow wet product to dry before disposal. Do not flush down drains.

SECTION 7 Handling and Storage

Handling: Avoid breathing dust. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions of safe storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers or liners may retain some product residues.

SECTION 8 Exposure Control / Personal Protection

Exposure limit values:

Component	Value / Source			
Limestone	PEL	15mg/m ³ (total dust)	5mg/m ³ (respirable fraction)	OSHA Z1
Titanium Dioxide 13463-67-7	TWA	4mg/m ³ (total dust)	1mg/m ³ (respirable fraction)	JSOH OEL's
Titanium Dioxide 13463-67-7	TWA	10mg/m ³	No data available	ACGIH
Green pigment 1328-53-6	TLV	0.5mg/m ³ (respirable fraction)	No data available	ACGIH
Green pigment 1328-53-6	PEL	0.5 mg/m ³ (total dust)	No data available	OSHA
Blue pigment 147-14-8	TLV	0.5mg/m ³ (respirable fraction)	No data available	ACGIH
Blue pigment 147-14-8	PEL	0.5 mg/m ³ (total dust)	No data available	OSHA

Exposure Controls

Appropriate engineering controls: Use mechanical ventilation (dilution and local exhaust) to control exposure within applicable limits.

Personal Protective Equipment

Eye/face protection: Safety glasses with side shields or goggles. In extremely dusty environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury.

Skin protection: Wear impervious clothing to eliminate skin contact. Where needed wear boots that are impervious to water to eliminate foot and ankle exposure. Wear impervious gloves to eliminate skin contact.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be accordance with regulatory requirements.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Potential environmental effects: Not considered to be harmful to aquatic life.

SECTION 9 Physical and Chemical Properties

General

Physical state: powder

Color: varies

Odor: no distinct odor

Odor Threshold: Not available

Safety Data

pH in water: 6 -10.2 (5% water suspension)

Melting point: Not available

Boiling point: Not available

Flash point: Not available

Freeze Point: Not available

Evaporation rate: Not applicable

Vapor pressure (mm Hg.): Not applicable

Water solubility: Not available

Vapor density (air = 1): Not applicable

Relative density: 2.7 – 4.5 g/cm³

SECTION 10 Stability and Reactivity

Chemical stability: Stable under normal storage conditions.

Possibility of Hazardous reactions: None under normal conditions of storage and use.

Conditions to avoid: No specific data.

Incompatible materials: Strong acids.

Hazardous decomposition products: None.

SECTION 11 Toxicological Information

Component Information

Chemical Name	Oral LD50	Inhalation LC50
Limestone 1317-65-3	6450 mg/kg (Rat)	No data available
Titanium Dioxide ¹ 3463-67-7	>5000 mg/kg (Rat)	No data available
Black pigment 1317-61-9	>5000 mg/kg (Rat)	No data available
Yellow pigment 51274-00-1	>10000 mg/kg (Rat)	>195 g/m ³ 2 weeks (Rat)
Red pigment 1309-37-1	>5000 mg/kg (Rat)	>210 g/m ³ 2 weeks (Rat)
Green pigment 1328-53-6	>10 g/kg (Rat)	No data available
Blue pigment 147-14-8	>10 g/kg (Rat)	No data available

Acute toxicity

Route of Exposure	Conclusion / Remarks
<i>Inhalation</i>	May cause irritation
<i>Ingestion</i>	May cause burns to mouth, throat and stomach.
<i>Skin</i>	Dries skin and mucous membranes.
<i>Eye</i>	Slightly irritating, not classified.

Sensitization: Does not cause sensitization.

Mutagenicity: No data available.

Carcinogenicity: Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

Reproductive toxicity: No data available.

Specific target organ toxicity- single exposure: None

Specific target organ toxicity- repeated exposure: No data available.

Aspiration Hazard: No data available.

SECTION 12 Ecological Information

Chemical Name	CAS No	Fish LC50	Algae/aquatic plants EC50	Crustacea EC50
Titanium Dioxide	13463-67-7	Pimephales promelas 1000 mg/L 96 h	Pseudokirchneriella subcapitata 61 mg/L 72 h	Daphnia magna 1000 mg/L 48 h
Black pigment	1317-61-9	Danieo rerio 100000 mg/L 96 h	No data available	Daphnia magna 10000 mg/L 48 h
Yellow pigment	51274-00-1	Danieo rerio 100000 mg/L 96 h	No data available	Daphnia magna 100 mg/L 48 h
Red pigment	1309-37-1	Danieo rerio 50000 mg/L	No data available	Daphnia magna 100 mg/L

		96 h		48 h
Green Pigment	1328-53-6	Danieo rerio 10000 mg/L 96 h	No data available	No data available
Blue Pigment	147-14-8	Danieo rerio 10000 mg/L 96 h	No data available	No data available

Persistence and degradability: No data available.

Bio accumulative potential: None

Mobility in soil: No data available.

Other adverse effects: No data available.

SECTION 13 Disposal Considerations

Methods of disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 Transport Information

DOT: This product is not regulated for transport.

ARD/RID: This product is not regulated for transport.

IMDG: This product is not regulated for transport.

IATA: This product is not regulated for transport.

SECTION 15 Regulatory Information

US federal regulations: This product is not hazardous according to OSHA 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): None.

CERCLA Hazardous Substance List (40 CFR 302.4): not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: None

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous chemical: Not listed.

SARA 313 (TRI reporting): None.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

US state regulations:

US. Massachusetts RTK - Substance List:

Limestone (CAS 1317-65-3)

Black pigment (CAS 1317-61-9)

Yellow pigment (CAS 51274-00-1)

Red pigment (CAS 1309-37-1)

US. New Jersey Worker and Community Right-to-Know Act:

Limestone (CAS 1317-65-3)

Black pigment (CAS 1317-61-9)

Yellow pigment (CAS 51274-00-1)

Red pigment (CAS 1309-37-1)

US. Pennsylvania Worker and Community Right-to-Know Law:

Limestone (CAS 1317-65-3)

Black pigment (CAS 1317-61-9)

Yellow pigment (CAS 51274-00-1)

Red pigment (CAS 1309-37-1)

US. California Proposition 65: Potential exposure to some or all of the California Prop 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL).

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.