

# SAFETY DATA SHEET

UPC Reactive Pigment

SDS REVISION DATE: 08/24/2016

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Reactive Pigment

**MANUFACTURER:** Universal Polymer Coatings, Inc.  
**DIVISION:** Floor Coating  
**ADDRESS:** 737 W. Taft Avenue, Orange CA 92865

**EMERGENCY PHONE:** 800-255-3924  
**CHEMTEL PHONE:** 800-255-3924  
**OTHER CALLS:** 714-279-1199  
**FAX PHONE:** 714-279-8070

**PRODUCT USE:** Floor Coating  
**PREPARED BY:** Universal Polymer Coatings, Inc.

## SECTION 2: HAZARDS IDENTIFICATIONS

**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:**  
GHS-US CLASSIFICATION

Flammable liquid 4  
Reproductive toxicity 1B

**LABEL ELEMENTS:**  
**GHS LABEL ELEMENTS**  
HAZARD PICTOGRAMS:



**SIGNAL WORD:** Warning

**HAZARD STATEMENTS:**

H227 Combustible liquid and vapor  
H360 May damage fertility or the unborn child

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/eye protection/face protection.
P281	Use personal protective equipment as required.

**RESPONSE:**

P303+P361+P353	IF ON SKIN (or hair); Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313	IF exposed or concerned; get medical advice/attention.
P370+P378	In case of fire; use dry sand, dry chemical or alcohol-resistant foam for extinction.

**STORAGE:**

P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

**DISPOSAL:**

P501	Disposed of contents/container to an approved waste disposal plant.
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**OTHER HAZARDS:**

None known.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	AMOUNT
• Titanium Dioxide	13463-67-7	60 – 70%
• Propylene Glycol Monomethyl Acetate	108-65-6	10 – 20%
• Polymer Resin	TS	10 – 20%
• Wetting, dispersing agent	TS	1 – 5%
• Xylene	1330-20-7	<1%
• Ethylbenzene	100-41-4	<0.5%
• Butyl Acetate	123-86-4	<0.5%

Any remaining components are trade secret.

## SECTION 4: FIRST AID MEASURES

**INHALATION:** Remove the victim to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm and seek medical attention immediately.

**SKIN:** Rinse skin with soap and water. See a physician if irritation persists.

**EYES:** Flush with water for 15 minutes. See a physician if irritation persists.

**INGESTION:** Do not induce vomiting without medical advice. Keep respiratory tract clean. Never give anything by mouth to an unconscious person. Get medical assistance (call 911) immediately.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:** None known.

**NOTES TO PHYSICIANS/SPECIAL TREATMENT:** If seeking medical attention, provide SDS document to physician.

## SECTION 5: FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Alcohol-resistant foam, carbon dioxide, dry chemical.

**SPECIFIC (UNUSUAL) HAZARDS:** None known.

**ADVICE FOR FIRE-FIGHTERS:** For fire-fighters, use self-contained breathing apparatus pressure-demand (MSHZ/NIOSH approved or equivalent) and full protective gear. Water spray may be used to cool fully closed containers. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** None known.

**ENVIRONMENTAL PRECAUTIONS:** Water spill: Avoid discharges into open waterways. If the product contaminates storm drains, rivers and lakes, inform respective authorities.  
Land spill: Avoid discharge to soil. Contain spillage and collect discharge/spilled materials then place in container for disposal according to local and federal regulations.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:** Small spill: Dike and contain spillage. Scoop up material and place into suitable containers(s) for disposal according to local and federal regulations.  
Large spill: Prevent product from entering storm drains. If the product contaminates rivers and lakes or drains, inform respective authorities.

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## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING:

Do not breathe vapors/dust. Keep containers closed when not in use. For industrial use only. Keep out of reach from children. No smoking in the work area.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep away from heat, sparks and flame. Keep container closed when not in use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS:

Chemical Name	CAS No.	Limits
Titanium Dioxide	13463-67-7	10 mg/m <sup>3</sup> ACGIH-TLV; 15 mg/m <sup>3</sup> OSHA-PEL
Propylene Glycol Monomethyl Acetate	108-65-6	50 ppm TWA – US WEEL
Xylene	1330-20-7	PEL 100 PPM; TWA 100 PPM
Ethylbenzene	100-41-4	TWA: 100 ppm OSHA, 20 ppm ACGIH
Butyl Acetate	123-86-4	PEL 150 PPM; TLV 150 PPM

**ENGINEERING MEASURES:** Provide adequate ventilation. Use an appropriate exhaust system in the work area.

### PERSONAL PROTECTION



**EYE PROTECTION:** Wear tight-fitting safety goggles. Do not wear contact lenses.

**SKIN PROTECTION:** Remove contaminated clothing. Take precautionary measures against static discharges.

**HAND PROTECTION:** Use impermeable rubber gloves.

**RESPIRATORY PROTECTION:** Use NIOSH approved respirators when permissible exposure limits are exceeded.

**SPECIAL INSTRUCTIONS:** Keep containers closed when not in use. Wash hands before breaks and at the end of work day.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE:

**Physical state** Liquid  
**Color** Colored paste

**ODOR:** Ester like odor

**ODOR THRESHOLD:** No data available

**pH:** No data available

**MELTING POINT:** No data available

**BOILING POINT:** @ 284° F, (140° C)

**FLASH POINT:** @ 114° F, (45.5° C)

**EVAPORATION RATE:** Greater than butyl acetate (Butyl acetate =1)

**FLAMMABILITY (solid, gas):** No data available

### FLAMMABILITY LIMIT IN AIR

**Upper:** 7.0%

**Lower:** 1.5%

**VAPOR PRESSURE:** No data available

**WATER SOLUBILITY:** Negligible

**RELATIVE VAPOR DENSITY:** Heavier than air

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RELATIVE DENSITY: No data available  
PARTITION COEFFICIENT: No data available  
AUTO-IGNITION TEMP: No data available  
DECOMP TEMP: No data available  
MATERIAL/COATING VOC: 390.3552  
DENSITY: 17.3021

## SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is stable.  
POSSIBILITY OF HAZARDOUS REACTIONS: Product will not undergo polymerization.  
CONDITIONS TO AVOID: High temperatures, open flames or sparks.  
MATERIAL TO AVOID: Strong oxidizers, strong acids.  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

#### LIKELY ROUTES OF EXPOSURE

Effects on Eye: May cause slight irritation.  
Effects of Skin: May cause slight irritation.  
Inhalation Effects: No hazard during normal industrial use.  
Ingestion Effects: No hazard during normal industrial use. For industrial use only.

#### ACUTE TOXICITY

Acute Toxicity – Component(s):

Oral: LD50: 8,532 mg/kg Species: Rat  
Inhalation: No data available  
Dermal: LD50: >5,000 mg/kg Species: Rabbit

Skin corrosion/irritation: May cause slight irritation.

Eye damage/irritation: May cause slight irritation.

Sensitization to respiratory: No hazard during normal industrial use

Skin sensitisation: No hazard during normal industrial use

#### CHRONIC TOXICITY OR EFFECTS FROM LONG TERM EXPOSURES

Carcinogenicity: Contains a small/trace amount of ethylbenzene (CAS# 100-41-4) which is classified by IARC as Group 2B carcinogen: possibly carcinogenic to humans.

Reproductive toxicity: No data available

Germ cell mutagenicity: No evidence of adverse effects.

Specific target organ systemic toxicity:

Single exposure: No data available  
Repeated exposure: No data available

Aspiration hazard: No data available

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## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICITY EFFECTS

**Aquatic toxicity:** This product has no known ecotoxicological effects.

### PERSISTENCE AND DEGRADABILITY

**Biodegradability:** No data available.

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

**Bioaccumulation:** No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of in accordance to all local, state and federal regulations. Empty remaining contents. Dispose of as unused product as hazardous waste. Do not re-use empty containers. Do not burn nor use cutting tools on the empty containers.

## SECTION 14: TRANSPORT INFORMATION

### U.S. DEPARTMENT OF TRANSPORTATION

**DOT:** Not regulated

Exception: this is reclassified as a COMBUSTIBLE LIQUID and can be shipped as a NON-REGULATED (GROUND only) material per DOT:

1. A flammable liquid with a flash point at or above 100°F that does not meet any other hazard class, per 49 CFR 173.150(f)(1)
2. If transported in non-bulk packaging (i.e., container size less than 450 liters or 119 gallons) per 49 CFR 173.150(f)(2)
3. If not transported as a liquid at a temperature at or above its flash point (e.g. not headed for transport) per 49 CFR 173.150(f)(4)(iii).

**IATA:** ID NUMBER: UN1263  
PROPER SHIPPING NAME: Paint related material  
HAZARD CLASS: 3  
PACKING GROUP: III  
MARINE POLLUTANT: No

**IMDG:** ID NUMBER: UN1263  
PROPER SHIPPING NAME: Paint related material  
HAZARD CLASS: 3  
PACKING GROUP: III  
MARINE POLLUTANT: No

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): None

Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
CANADA	DSL	Included on Inventory
AUSTRALIA	AICS	Included on Inventory
JAPAN	ENCS	Included on Inventory
SOUTH KOREA	ECL	Included on Inventory
CHINA	SEPA	Included on Inventory
PHILIPPINES	PICCS	Included on Inventory

EPA SARA Title III Section 302-304: None

EPA SARA Title III Section 311/312 (40 CFR 370) Hazard Classification: Fire hazard. Acute health hazard. Chronic health hazard.

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EPA SARA Title III Section 313 (40 CFR 372) Component(s): This product contains the following substances subject to the reporting requirements of this section:

Xylene	CAS# 1330-20-7
Ethyl Benzene	CAS# 100-41-4

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): This product contains a chemical(s) known to cause cancer and birth defects or other reproductive harm.

State Right-To-Know: Massachusetts, Minnesota, New Jersey, Pennsylvania

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### SECTION 16: DISCLAIMER

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#### OTHER INFORMATION

HMIS Rating:

Health: 2

Flammability: 2

Physical Hazard: 0

**DISCLAIMER:** The information herein is given in good faith, but no warranty expressed or implied is made. Universal Polymer Coatings, Inc. urges suppliers and users of this product to evaluate its suitability and compliance with local regulations as Universal Polymer Coatings, Inc. cannot foresee the nature of the final application or final location of usage.