



**FIELD-APPLIED COMPOSITE SYSTEMS LLC**  
925 North Todd Avenue, Azusa, CA 91702 USA  
Phone (626) 633-0294                      www.facs.llc

## **SAFETY DATA SHEET**

### **Power Coat™ Paint**

#### **SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** PowerCoat™ Paint

**MFR'S NAME:** Field-Applied Composite Systems LLC, 925 North Todd Avenue, Azusa CA 91702

**EMERGENCY PHONE:** 800.424.9300 (CHEMTREC)      **GENERAL INFORMATION:** 626.633.0294

**USE OF THE SUBSTANCE:** This paint is specially compounded for long-term resistance to weathering, and UV exposure. It should NOT be applied via spray, but by roller, brush, or painter's mitt.

#### **SECTION 2: HAZARDS IDENTIFICATION**

**OSHA/HCS status:** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classifications:** Material is not classified under Directives 67/548/EEC or 1999/45/EC.

**GHS Label Elements:**

**Hazard Pictograms:** N/A-none

**Signal Word:** N/A-none

**Hazard Statements and GHS Classifications:** N/A-none

**Precautionary Statements:**

**Prevention:**

P260: Do not breathe mists.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink, or smoke when using this product.

P273: Avoid release to the environment.

P280: Wear protective gloves, clothing, and eye/face protection.

**Responses:**

P301+P331+P312: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call POISON CENTER, and/or doctor if you feel unwell.

P302+P362+P352: IF ON SKIN (or hair): Take off all contaminated clothing, and wash before reuse. Wash with plenty of soap and water. Rinse with water.

P333+P313: If skin irritation or rash occurs, get medical attention.

P304+P340: IF INHALED: Remove person to fresh air, and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. Get medical attention if irritation persists.

P308+P313: If exposed or concerned, get medical attention.

P391: Collect spillage.

**Storage:**

P233+P403: Store in a well-ventilated place. Do not allow to freeze, or expose to high temperatures. Keep containers tightly closed.

**Disposal:**

P501: Dispose of contents and containers in accordance with all local, regional, and international regulations.

**Other Hazards:** None known. No Physical, or Chemical Hazards classified under GHS.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture of the below substances with non-hazardous additions.

CHEMICAL NAME	% by WT	CAS NUMBER	67/548/EEC	Regulation (EC) 1272/2007 (CLP)
Water	55-65%	N/A	Not classified	Not classified
Titanium Dioxide*	10-25%	13463-67-7	Not classified	Not classified
Ammonia, aqueous solution	≤2.5%	1336-21-6	Not classified	Not classified
Other materials*	≥7.5%	See <b>Section 15</b>	Not classified	Not classified

\*Encapsulated in the solution.

**Occupational Exposure Limits, if available, are listed in Section 8.**

### SECTION 4: FIRST AID MEASURES

#### **Description of necessary first aid measures:**

<b>General</b>	Get medical attention immediately for any person who is having trouble, not breathing, or any unconscious person. Provide oxygen or artificial respiration to a person if they have trouble breathing. Place an unconscious person in a recovery position, maintain an open airway, and loosen tight clothing.
<b>Inhalation</b>	Remove victim to fresh air, and keep warm and at rest, in a position comfortable for breathing. Get medical attention, if any irritation persists.
<b>Skin Contact</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing, and/or shoes. Wash exposed area with soap and water. Get medical attention, if an irritation persists. Wash clothing, and clean shoes thoroughly, before reuse.
<b>Eye Contact</b>	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 persists.
<b>Ingestion</b>	Wash out mouth with water. Remove dentures, if any. Remove victim to fresh air, and keep at rest in a position comfortable for breathing. DO NOT induce vomiting. Get medical attention if discomfort/irritation persists.

#### **Most Important Symptoms/Effects, Acute and Long –Term:**

##### **Potential Acute Health Effects:**

<b>Inhalation</b>	Exposure to decomposition products may cause a health hazard.
<b>Skin Contact</b>	May cause skin irritation.
<b>Eye Contact</b>	May cause eye irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.

##### **Overexposure Signs/Symptoms:**

<b>Inhalation</b>	No specific data.
<b>Skin Contact</b>	Adverse symptoms may include the following: Irritation, burns, and/or Redness.
<b>Eye Contact</b>	Adverse symptoms may include the following: Pain, or Irritation, Watering, Redness.
<b>Ingestion</b>	No specific data.

#### **Indication of Immediate Medical Attention and/or Special Treatment needed:**

**Notes to Physician** Treat symptomatically.

**Specific Treatments** No specific treatment(s).

See also **Toxicological Information in Section 11.**

## SECTION 5: FIREFIGHTING MEASURES

**Extinguishing Media** Dry chemicals, foam, water spray, or carbon dioxide. Spray containers with water to keep cool.

**Unsuitable Media** None known.

**Specific Hazards** No specific fire or explosion hazards.

### **National Fire Protection Association (USA):**

**Labeling:** Health: 1 Fire: 0 Reactivity: 0

### **Hazardous Thermal Decomposition Products**

No specific data.

### **Special Protective Actions for Firefighters**

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.

### **Special Protective Equipment for Firefighters**

Firefighters should wear appropriate protective equipment, and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode for the general conditions of the fire. No specific precautions are required for this product by itself.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

Keep unauthorized persons away. Provide adequate ventilation, and avoid breathing vapors. Put on appropriate personal protective equipment (see **Section 8**).

### **Environmental Precautions**

Avoid dispersal of material and runoff from contact with soil, waterways, drains, and/or sewers.

### **Methods and Materials for Containment and Cleaning Up (Small or Large Spill)**

Stop leak, if possible, without risk. Absorb spilled material with vermiculite, dry sand, or earth. Put into containers, and dispose of via a licensed waste disposal contractor. Clean spillage area with solvents, or plenty of water. Do not allow runoff into sewers or water sources. If in an area with poor ventilation, personnel should wear SCBA equipment during cleanup.

## SECTION 7: HANDLING AND STORAGE

### **Precautions for Safe Handling/Personal Hygiene**

Use appropriate personal protective equipment as per **Section 8**. Keep in the original container, or an approved alternative; keep containers tightly closed when not in use. Do not reuse containers. Wash hands after using, and/or before eating, drinking, or smoking. Power Coat Paint should not be applied by sprayer, but via roller, brush, or painter's mitt.

### **Conditions for Safe Storage, including any Incompatibilities**

Store in sealed original containers, or approved alternatives, in a dry, well-ventilated area when not in use. Protect containers from direct sunlight, and store at 15-40°C (55-110°F). Do not reuse empty containers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### Occupational Exposure Limits:

CHEMICAL NAME	CAS NUMBER	ACGIH-TWA	ACGIH-TWA
Water	N/A	N/A	N/A
Solids content	N/A	N/A	N/A

### Appropriate Engineering Controls

Always provide effective general, or as required, local exhaust ventilation to prevent routine inhalation of vapors. If appropriately used, no mist or spray should be created. Use good laboratory/shop procedures at all times.

### Exposure controls

#### Respiratory Protection

Not required unless a mist or aerosol is produced.

#### Hand Protection

Chemical-resistant (impervious) gloves (such as nitrile rubber of .35mm thickness or similar) should be worn when handling this material. Contaminated gloves should be disposed of properly.

#### Body Protection

Chemically resistant long-sleeved shirts and long pants, and/or lab coats are recommended. Contaminated clothing should be washed separately from other clothes before reuse. Footwear appropriate for the work being performed should be worn, and cleaned carefully, if contaminated, before reuse. Soaked footwear should be disposed of properly.

#### Eye/Face Protection

Safety eyewear and face shields appropriate for the work being performed should be used. Ordinarily, this means a minimum of safety eyewear, or splash goggles.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Viscous Liquid	<b>Color:</b>	Gray
<b>Odor:</b>	Slight	<b>Odor Threshold:</b>	N/A
<b>pH</b>	8.5-9.5	<b>Melting Point:</b>	N/A
<b>Boiling Point:</b>	N/A	<b>Flash Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A	<b>Vapor Pressure/Density:</b>	17mm Hg (23 hPa) (calculated)
<b>Relative Density</b>	N/A	<b>Viscosity:</b>	N/A
<b>Auto-Ignition Temp.</b>	N/A	<b>Decomposition Temp.</b>	N/A
<b>Solubility</b>	Not miscible in water or difficult to mix.	<b>% Volatile ASTM D2369</b>	N/A-None

## SECTION 10: STABILITY AND REACTIVITY

#### Reactivity:

Product is unreactive in normal use, will react with acids.

#### Chemical Stability:

This product is stable under normal conditions.

#### Possibility of Hazardous Reactions:

None under normal conditions of use. See "Reactivity" above for cautions.

#### Conditions to Avoid:

Avoid excessive heat for long periods.

**Incompatible Materials:** None known.

**Hazardous Decomposition Products:** None known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

CHEMICAL NAME	LC <sub>50</sub> Inhalation (Rat)	LD <sub>50</sub> Oral (Rat)	LD <sub>50</sub> Dermal (Rabbit)
Distillates, (petroleum)	N/A	5,000 mg/kg	5,000 mg/kg

**Sensitization:** No specific data      **Mutagenicity:** No specific data.

**Carcinogenicity:** No specific data.      **Reproductive Toxicity:** No specific data.

**Teratogenicity:** No specific data.      **Eye Damage:** No specific data.

**Specific Target Organ Toxicity (Single and Repeated Exposure):** No specific data.

**Aspiration Hazard:** N/A.      **Information on the Likely Routes of Exposure:** N/A.

### Potential Acute Health Effects and Related Symptoms:

See Section 4.

### Delayed, immediate and chronic effects from short and long term exposure:

N/A-none known.

### **Additional Toxicological Information**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations, but is not subject to classification under the Guidelines. When used and handled according to specifications, the product does not have any harmful effects.

Monograph 93 of the International Agency for Research on Cancer (IARC) reports sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and assigns a Group 2B rating. The Monograph summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as in paints." The Monograph concludes that carbon black similarly poses no hazard when bound to other materials such as paint or rubber.

### **Carcinogenic Categories (per IRAC):**

CAS Number	Material	Rating
13463-67-7	Titanium Dioxide	2B
7631-86-9	Silicon Dioxide (chemically prepared)	3
1333-86-4	Carbon Black	2B
111-76-2	Butyl cellosolve	3
1309-37-1	Diiron trioxide	3

None of the materials are listed under the National Toxicology Program or OSHA-Ca.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Aquatic Toxicity:** No further relevant information is available.

**Persistence and Degradability:** No further relevant information is available.

**Bioaccumulative Potential and Mobility in Soil:** No further relevant information is available.

**LogP<sub>ow</sub>, BCF, and Soil/Water Partition (K<sub>oc</sub>)** information are not available for any components.

**Water Hazard:** Class 2, hazardous for water. Do not allow product to reach ground water, watercourses or sewage systems.

**Other Adverse Effects:** No other information is available. No information is available regarding classification as PBT or vPvB.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of unused contents (incineration) in accordance with national and local regulations. Dispose of containers in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate. See **Section 8** for recommendations on the use of personal protective equipment.

**SECTION 14: TRANSPORTATION INFORMATION**

**UN No's:** DOT/TG: Not regulated. IMDG: N/A ICAO: N/A  
**DOT/TDG Proper Shipping Name:**  
Not applicable.  
**Hazard Classes:** DOT: N/A TDG: N/A IMDG: N/A ICAO: N/A ADR/RID: N/A  
**Hazard Labels:** DOT: N/A TDG: N/A  
**Pack Groups:** DOT: N/A IMDG: N/A AIR: N/A  
**Special Precautions for User:** N/A **Marine Pollutant:** N/A **Hazardous Substance (US):** NO  
**Transporting in Bulk according to Annex KK of MARPOL 73/78 and the IBC Code:** N/A  
**Label for Conveyance:**  
N/A

**SECTION 15: REGULATORY INFORMATION**

**INTERNATIONAL REGULATIONS:**

**International Lists**

<b>Canada Inventory</b>	None listed. *	<b>EU-EINECS</b>	None listed. *
<b>Other</b>	None listed. *	<b>EU-ELINCS</b>	None listed.*

\***Note:** There is no listing on the public inventory, no information is available, or the component has not been reviewed.

**Substances of Very High Concern (REACH Annex XIV and XVII):** None of the components are listed.

**UNITED STATES NATIONAL REGULATIONS:**

**TSCA 8(a) PAIR:** All ingredients are listed.

**TSCA 8(a) CDR Exempt/Partial Exemption:** All ingredients are listed

**US Inventory, TSCA 8(b):** All components listed or exempted.

**Clean Water Act (CWA) 307:** N/A

**Clean Air Act, Section 112(b), Hazardous Air Pollutants:** Not listed.

**Clean Air Act, Section 602, Class I Substances:** Not listed.

**Clean Air Act, Section 602, Class II Substances:** Not listed.

**SARA 302/304:** No products were found.

**SARA 304 RQ:** Not Applicable.

**SARA 311/312 Classification:** Not Applicable.

**SARA 313, Form R Reporting Requirements: (specific toxic chemical listings)**

1336-21-6	Ammonia, aqueous solution
1344-28-1	Aluminum oxide
7632-00-0	Sodium Nitrite

**US STATE REGULATIONS:**

CAS Number	Material	Right to Know States	Prop. 65 Listed
13463-67-7	Titanium dioxide	MA, NJ, PA, RI, CA	No*
7631-86-9	Silicon dioxide	MA, NJ, PA, RI, IL	No*
1333-86-4	Carbon Black	MA, NJ, PA, RI, MN, CA	No*
111-76-2	Butyl Cellosolve	MA, NJ, PA, RI, MN, CA	No
1309-37-1	Diiron Trioxide	MA, NJ, PA, MN, CA	No
1344-28-1	Aluminum Oxide	N/A-None	No
7632-00-0	Sodium Nitrite	N/A-none	No

\*These materials are Prop. 65 chemicals when in powder or otherwise respirable form. In this application, they are bound into a matrix and are therefore not listed materials.

**SECTION 16: OTHER INFORMATION****ABBREVIATIONS:**

ACGIH: American Conference of Governmental Industrial Hygienists  
 ADR/RID: European dangerous goods transport, road and rail, regulations  
 CAS: Chemical Abstract Service Registry  
 DOT: Department of Transportation (U.S.)  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Dangerous Goods code  
 OEL: Occupational Exposure Limits  
 OSHA: Occupational Safety and Health Administration (U.S.)  
 PEL: Permissible Exposure Limit  
 RQ: Reportable Quantity  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit (15 minute Time Weighted Average)  
 TDG: Canadian Transportation of Dangerous Goods Act and Regulations  
 TPQ: Threshold Planning Quantity  
 RQ: Reportable Quantity  
 UN: United Nations  
 U.S.: United States  
 N/A: Not available or not applicable.

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