

## Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200)

Revision: September 10, 2019

### 1 Identification

· **Product identifier**

- **Trade name:** Pre-Catalyzed Waterbased Epoxy – Semi Gloss
- **Product code:** 5230

· **Recommended use and restriction on use**

· **Recommended use:**

A specially formulated pre-catalyzed, single component interior acrylic epoxy coating that offers performance similar to traditional two-component waterborne epoxies, but without all the difficulties that two-component products exhibit. The semi-gloss finishes offer excellent hardness, durability, stain and abrasion resistance. It is easy to apply, offers excellent coverage, adhesion, block resistance and provides excellent corrosion and chemical resistant properties. Its special formulation is low odor, VOC compliant and ideal for application in schools and medical facilities.

- **Restrictions on use:** For interior use only.

· **Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**

Florida Paints  
78 3rd Street  
Winter Garden, FL 34787  
407-986-1000  
info@floridapaints.com

· **Emergency telephone number:**

ChemTel Inc.  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

### 2 Hazard(s) identification

· **Classification of the substance or mixture**

Skin Sens. 1 H317 May cause an allergic skin reaction.

· **Label elements**

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS07

· **Signal word:** Warning

· **Hazard statements:**

H317 May cause an allergic skin reaction.

· **Precautionary statements:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves.  
P302+P352 If on skin: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations. (Cont'd. of page 1)

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

**3 Composition/information on ingredients**

· **Chemical characterization: Mixtures**

· **Components:**

13463-67-7	Titanium dioxide	10-30%
111-76-2	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319 Flam. Liq. 4, H227	<1%
2634-33-5	1,2-benzisothiazol-3(2H)-one ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	<0.25%
2682-20-4	2-methyl-2H-isothiazol-3-one ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 1, H330 ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318 ⚠ Skin Sens. 1A, H317; STOT SE 3, H335	<0.1%
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ Skin Corr. 1B, H314 ⚠ Skin Sens. 1, H317	<0.05%

· **Additional information:**

For the wording of the listed Hazard Statements, refer to section 16.  
Non-classification as a carcinogen is based on non-inhalable form of product. IARC listings for titanium dioxide note that the substance must be respirable.

**4 First-aid measures**

· **Description of first aid measures**

· **After inhalation:**

Respiration of particulates is unlikely during normal usage.  
Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Immediately remove any clothing soiled by the product.  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation or rash occurs: Get medical advice/attention.

· **After eye contact:**

Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:**

Allergic reactions

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Slight irritant effect on skin and mucous membranes.

Slight irritant effect on eyes.

**· Indication of any immediate medical attention and special treatment needed:**

Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, 5-chloro-2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

**5 Fire-fighting measures****· Extinguishing media****· Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.**· For safety reasons unsuitable extinguishing agents:** Water stream.**· Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**· Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**6 Accidental release measures****· Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required.

Avoid formation of dust.

Avoid breathing dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation.

**· Environmental precautions** Avoid release to the environment.**· Methods and material for containment and cleaning up**

Towel or mop up material and collect in a suitable container.

For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.

Send for recovery or disposal in suitable receptacles.

**· Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****· Handling****· Precautions for safe handling:**

Keep out of reach of children.

Avoid contact with the eyes and skin.

Use only in well ventilated areas.

**· Conditions for safe storage, including any incompatibilities****· Requirements to be met by storerooms and receptacles:**

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Store in cool, dry conditions in well sealed receptacles.  
 Avoid storage near extreme heat, ignition sources or open flame.

- **Information about storage in one common storage facility:**  
 Store away from foodstuffs.  
 Store away from oxidizing agents.
- **Specific end use(s)** No relevant information available.

### 8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**13463-67-7 Titanium dioxide**

PEL (USA)	Long-term value: 15* mg/m <sup>3</sup> *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 10 mg/m <sup>3</sup>
EL (Canada)	Long-term value: 10* 3** mg/m <sup>3</sup> *total dust;**respirable fraction; IARC 2B
EV (Canada)	Long-term value: 10 mg/m <sup>3</sup> total dust
LMPE (Mexico)	Long-term value: 10 mg/m <sup>3</sup> A4

**111-76-2 2-butoxyethanol**

PEL (USA)	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm Skin
REL (USA)	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm Skin
TLV (USA)	Long-term value: 97 mg/m <sup>3</sup> , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm
EV (Canada)	Long-term value: 20 ppm Skin
LMPE (Mexico)	Long-term value: 20 ppm A3, IBE

- **Ingredients with biological limit values:**

**111-76-2 2-butoxyethanol**

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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- **Exposure controls**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
 Keep away from foodstuffs, beverages and feed.  
 Wash hands before breaks and at the end of work.

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Do not breathe dust/fume/gas/mist/vapors/spray.

Avoid contact with the eyes and skin.

· **Engineering controls:** Provide adequate ventilation.

· **Breathing equipment:**

Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

NIOSH or EU approved dust respirator should be used for operations generating dust.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

No relevant information available.

· **Risk management measures** No relevant information available.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

**Form:** Liquid

**Color:** According to product specification

· **Odor:** Slight

· **Odor threshold:** Not determined.

· **pH-value at 20 °C (68 °F):** 8.3-8.6

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits**

**Lower:** Not determined.

**Upper:** Not determined.

· **Oxidizing properties:** Non-oxidizing.

· **Vapor pressure:** Not determined.

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|---|------------------------------------|
| <b>· Density:</b>                                 |                                    |
| <b>Relative density:</b>                          | 1.228                              |
| <b>Vapor density:</b>                             | Not determined.                    |
| <b>Evaporation rate:</b>                          | Not determined.                    |
| <b>· Solubility in / Miscibility with Water:</b>  | Soluble.                           |
| <b>· Partition coefficient (n-octanol/water):</b> | Not determined.                    |
| <b>· Viscosity</b>                                |                                    |
| <b>Dynamic:</b>                                   | Not determined.                    |
| <b>Kinematic:</b>                                 | Not determined.                    |
| <b>· VOC content:</b>                             | 99 g/l (Method 24)                 |
| <b>· Other information</b>                        | No relevant information available. |

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Reacts with strong oxidizing agents.
- **Conditions to avoid**  
Excessive heat.  
Prevent formation of dust.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products**  
Under fire conditions only:  
Carbon monoxide and carbon dioxide  
Possible in traces:  
Toxic metal compounds  
Chlorine compounds

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Sensitization possible through skin contact.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer):**  
Reference to titanium dioxide is based on unbound respirable particles and is not applicable to the product as supplied.

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Present in trace quantities: 14808-60-7, 100-41-4, 108-10-1.

13463-67-7	Titanium dioxide	2B
14808-60-7	Quartz	1
100-41-4	Ethylbenzene	2B
108-10-1	4-methylpentan-2-one	2B

· **NTP (National Toxicology Program):**  
Present in trace quantities.

14808-60-7	Quartz	K
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· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

- Ingestion.
- Eye contact.
- Skin contact.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:**

Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is nonclassifiable as a carcinogen.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

**12 Ecological information**

· **Toxicity**

- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Other adverse effects** No relevant information available.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation:**

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**

· **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information	
<ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· DOT, ADR/RID/ADN, IMDG, IATA</li> </ul>	Not regulated.
<ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· DOT, ADR/RID/ADN, IMDG, IATA</li> </ul>	Not regulated.
<ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· DOT, ADR/RID/ADN, IMDG, IATA</li> <li>· Class</li> </ul>	Not regulated.
<ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· DOT, ADR/RID/ADN, IMDG, IATA</li> </ul>	Not regulated.
<ul style="list-style-type: none"> <li>· <b>Environmental hazards</b></li> <li>· Marine pollutant:</li> </ul>	No
<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	Not applicable.

15 Regulatory information	
<ul style="list-style-type: none"> <li>· <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b></li> <li>· <b>United States (USA)</b></li> <li>· <b>SARA</b></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Section 302 (extremely hazardous substances):</b></li> </ul>	
None of the ingredients are listed.	
<ul style="list-style-type: none"> <li>· <b>Section 355 (extremely hazardous substances):</b></li> </ul>	
None of the ingredients are listed.	
<ul style="list-style-type: none"> <li>· <b>Section 313 (Specific toxic chemical listings):</b></li> </ul>	
None of the ingredients are listed.	
<ul style="list-style-type: none"> <li>· <b>TSCA (Toxic Substances Control Act)</b></li> </ul>	
All ingredients are listed or exempt.	
<ul style="list-style-type: none"> <li>· <b>Proposition 65 (California)</b></li> <li>· <b>Chemicals known to cause cancer:</b></li> </ul>	
Reference to titanium dioxide is based on unbound respirable particles and is not applicable to the product as supplied.	
Present in trace quantities: 330-54-1, 14808-60-7, 100-41-4, 108-10-1.	
13463-67-7	Titanium dioxide
330-54-1	diuron(ISO)
14808-60-7	Quartz
100-41-4	Ethylbenzene

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108-10-1	4-methylpentan-2-one
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· **Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

Present in trace quantities.

67-56-1	Methanol
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108-10-1	4-methylpentan-2-one
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· **EPA (Environmental Protection Agency):**

111-76-2	2-butoxyethanol	NL
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· **IARC (International Agency for Research on Cancer):**

Reference to titanium dioxide is based on unbound respirable particles and is not applicable to the product as supplied.

Present in trace quantities: 14808-60-7, 100-41-4, 108-10-1.

13463-67-7	Titanium dioxide	2B
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14808-60-7	Quartz	1
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100-41-4	Ethylbenzene	2B
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108-10-1	4-methylpentan-2-one	2B
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**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H227 Combustible liquid.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

· **Date of preparation / last revision** September 10, 2019 / -

· **Abbreviations and acronyms:**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent  
OSHA: Occupational Safety & Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
BEI: Biological Exposure Limit  
Flam. Liq. 4: Flammable liquids – Category 4  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 1: Acute toxicity – Category 1  
Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Sources**

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))  
Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))  
Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))  
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6  
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.  
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