

Product Identification

Section 1

Product name Smoke Blue Epoxy Colorant
Part number M5-046
Synonyms Epoxy Colorant
Product usage Epoxy part A floor coating
Company Florock Polymer Flooring
 1120 W Exchange
 Chicago, IL 60609
Phone 773-376-7132
Chemtrec 800-424-9300

Hazard Identification

Section 2

GHS Classifications Skin corrosion/irritation: Category 2,
 Skin sensitization: Category 1,
 Eye irritation: Category 2,
 Carcinogenicity: Category 2,
 Aquatic (Acute): Category 2,
 Aquatic (Chronic): Category 2

Signal word **Warning**

Pictograms



Hazard statements H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H351 Suspected of causing cancer
 H411 Toxic to aquatic life with long lasting effects

Precautionary statements P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing dust/fumes/gas/mist/vapors/spray.
 P262 Do not get in eyes, skin, or clothing.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective/eye protection/face protection.

P308 If exposed or concerned: Get medical advice/attention.
P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P391 Collect Spillage.
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses if present and easy to do. Rinse Continuously.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Additional hazard Information Percentage of mixture with unknown Acute Toxicity: *none*

Composition Information of Ingredients Section 3

Component	CAS No.	Weight %
Epoxy Resin	25068-38-6	30-50
Titanium Dioxide	13463-67-7	10-60
Diluent	68609-97-2	5-20
Flow additive (mixture)	Proprietary	0-10
Carbon Black	1333-86-4	1-20

*Where a range is displayed or the exact percentage of the component in the composition has been withheld it is considered a trade secret.
Ingredients not listed on this SDS are considered to be non-hazardous.*

First Aid Measures Section 4

General Consult a physician. Show the physician this SDS. Move out of dangerous area immediately.

Inhalation Move person to fresh air and breathe normally. If experiencing respiratory symptoms. Call POISON CENTER or doctor.

Eyes Rinse cautiously with water for several minutes. Remove contact lenses if present. If eye irritation persists get medical attention.

Ingestion No emergency medical treatment necessary. Do not eat, taste, or ingest. Rinse mouth if person is conscious.

Skin Take off all contaminated clothing. Rinse skin with water. Wash with soap and water. If skin irritation or rash occurs get medical attention.

Most Important Symptoms/Effects
Acute N/D
Delayed N/D

N/D = No data available for the mixture

Fire Fighting Measures

Section 5

Extinguishing media	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Extinguishing methods	Water may be used to keep exposed containers cool, and to keep flammable structures wet.
Special protective equipment	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Special hazards	Carbon Oxides, Phenolics
Important additional information	<p>Containers may explode upon exposure to excessive heat and fire situations.</p> <p>Water may be used to keep exposed containers cool, and to keep flammable structures wet.</p> <p>Do not enter fire area without proper protection because hazardous decomposition products may be present. Sealed containers may explode if overheated.</p>

Accidental Release Measures

Section 6

Personal precautions	<p><i>Protective equipment:</i> Protective respirator, safety goggles, and gloves. Ensure adequate ventilation. Avoid breathing dust.</p> <p><i>Emergency procedures:</i> Evacuate personnel to safe areas.</p>
Methods for clean up and disposal	Collect the material using absorbents or other equipment required by the size of the release. Decontaminate the area, collecting any cleaning and rinsing media for proper reclamation or disposal. Soak up with an absorbent and place in non-leaking containers. Seal tightly for disposal according to local and federal regulations.

Handling and Storage

Section 7

Precautions for safe handling	<p>As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities.</p> <p>Avoid eye and skin contact. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.</p> <p>Provide appropriate exhaust ventilation at places where dust is formed.</p>
Conditions for safe	Protect container from physical abuse. Keep the container tightly closed.

storage, including incompatibilities

Store in dry well-ventilated areas. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty containers.

Exposure Controls/Personal Protection

Section 8

Component	CAS#	ACGIH/TLV	OSHA/PEL	*V/P
Epoxy Resin	25068-38-6	N/D	N/D	N/D
Titanium Dioxide	13463-67-7	10	15	N/D
Diluent	68609-97-2	N/D	N/D	N/D
Flow additive (mixture)	Proprietary	2-methoxy-1-methylethyl acetate 50 ppm phosphoric acid 1 mg/m3	N/D	N/D
Carbon Black	1333-86-4	3.5 mg/m3	3.5 mg/m3	N/D

*Vapor Pressure limit

Engineering Controls

Ventilation

Local and general ventilation controls recommended. Wash hands before breaks and at the end of the workday.

Personal Protective Equipment

Eye/Face protection

Protective safety goggles and/or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Other protective considerations

Wash hands before eating, smoking, or touching the facial area.

Physical/Chemical Properties

Section 9

Physical state	Liquid
Appearance	Blue
Odor	N/D
Flashpoint	> 225 F
Vapor density	Heavier than air
Liquid density	Heavier than water
Volatiles volume	0%
Evaporation Rate	0.7 x n-Butyl Acetate
pH	N/D
Vapor pressure	N/D
Relative density	1.41
Solubility	Insoluble
Partition coefficient	N/D
Auto Ignition temp	N/D

N/D = No Data Available

Stability and Reactivity

Section 10

Chemical stability	Stable under recommended storage conditions
Hazardous reactions	Will not polymerize
Conditions to avoid	N/D
Incompatibility	Oxidizing agents and strong alkalis
Hazardous decomposition products	Incomplete combustion for products like this may generate highly poisonous carbon monoxide, carbon dioxide, and oxides of nitrogen.

Toxicological Information

Section 11

Routes of exposure	Inhalation, skin, eyes, ingestion
Symptoms of exposure	<i>Acute Toxicity:</i> Headache, dizziness, nausea, and loss of consciousness, vomiting due to ingestion, skin irritation <i>Chronic Toxicity:</i> Severe eye irritation possibly resulting in permanent damage, Irritated mucous membranes, Dry skin
Carcinogenicity	N/D

N/D = No Data Available

Acute Toxicity Values

The acute toxicity effects of this mixture have not been tested. Data on individual components are tabulated below:

Name	CAS#	Oral LD50	Dermal LD50	Vapor LC50
Epoxy Resin	25068-38-6	11400 mg/kg Rat > 2000 mg/kg Rabbit	11400 mg/kg Rat > 2000 mg/kg Rabbit	N/D
Titanium Dioxide	13463-67-7	N/D	N/D	N/D
Diluent	Proprietary	N/D	N/D	N/D
Flow additive (mixture)	Proprietary	N/D	N/D	N/D
Carbon Black	1333-86-4	8,000 mg/kg (Rat)	3,000 mg/kg (Rabbit)	N/D

Ecological Information

Section 12

Keep out of sewers, drainage areas, and waterways. Report spills and atmospheric releases, as applicable, under Federal and State regulations.

Disposal Considerations

Section 13

Dispose of container and unused contents in accordance with federal, state, and local requirements for hazardous materials. Do not allow to enter the drainage or water system.

Transport Information

Section 14

DOT Proper Shipping	
Name:	Not Regulated
Packing Group:	
DOT Hazard Class:	
DOT UN/NA Number:	Not Regulated

Regulatory Information

Section 15

Contact manufacturer for information on specific territorial regulatory information.

Other Information

Section 16

NFPA/HMIS Rating

Health	2
Fire	1
Reactivity	0

Classification and hazards statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Regulations in individual countries/regions may determine which classifications and hazard statements are applicable based on adopted hazard classes and categories.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) - Annex III.

Regulations in individual countries/regions may determine which statements are required on the product label. See product label for specifics.

The information provided in this **Safety Data Sheet** is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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