MINERAL MICA SOLID

EPOXY 49 TM METALLIC MICA PIGMENT POWDER - All 20 Architectural Colors (150g Jar)

Epoxy49 LLC · 1714 W 23rd St, Houston, TX 77008 · (346) 281-7132 · CHEMTREC 24-HR: 1-800-424-9300

SECTION 1 - IDENTIFICATION (29 CFR 1910.1200)

Product Identifier: EPOXY 49 TM METALLIC MICA PIGMENT POWDER - All 20 Architectural Colors (150g Jar) | SKU: MP-49-150G
Recommended Use: Pearlescent mineral mica pigment additive for 100% solids epoxy floors (1 jar / 150g per gal Part A; covers all 20 colors incl. #108 Crimson Red).
Manufacturer / Supplier: Epoxy49 LLC · 1714 W 23rd St, Houston, TX 77008 · (346) 281-7132 · sales@epoxy49.com
24-Hour Chemical Emergency Phone: CHEMTREC 24-HR: 1-800-424-9300 (US & Canada) / +1-703-527-3887 (Intl).

SECTION 2 - HAZARD(S) IDENTIFICATION (OSHA HAZCOM 2012 / GHS REV. 7)

SIGNAL: NONE (Non-Hazardous Solid Mixture)

GHS PICTOGRAMS: NONE REQUIRED (NON-HAZARDOUS SOLID)

* OSHA HazCom 2012 Classification (29 CFR 1910.1200): NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE.
* GHS Pictograms / Hazard Statements: None required. Inert, non-toxic pearlescent mineral platelet powder (10-60 micron particle size).
* Mechanical Nuisance Dust Note: High concentrations of airborne dust during dry pouring may cause transient mechanical eye or throat irritation.
* Bound Mineral Matrix Note: Titanium Dioxide and Iron/Tin Oxides are sintered onto muscovite mica platelets (zero unbound ultrafine fumes).
* P261 (Advisory): Minimize airborne dust generation when opening 150g jar and pouring dry mica powder into Part A Epoxy Resin.
* P280 (Advisory): Wear safety glasses and a disposable N95 particulate dust mask if transferring large multi-jar batches indoors.
* P305+P351+P338: IF DUST ENTERS EYES: Rinse gently with clean water for several minutes; do not rub eyes.
* P402+P404: Store 150g PET jars tightly capped in a dry room-temperature area to keep powder free-flowing.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY / COMPONENT	CAS REGISTRY NO.	WEIGHT %
Natural Muscovite Mica Platelet Substrate	12001-26-2	55 - 80%
Titanium Dioxide (Rutile/Anatase Sintered Interference Layer)	13463-67-7	15 - 40%
Iron Oxide (Fe2O3 incl. #108 Crimson Red) / Tin Oxide (SnO2)	1309-37-1 / 18282-10-5	1 - 25%

SECTION 4 - FIRST-AID MEASURES

* Eye Contact: Flush eyes gently with lukewarm water to clear mineral particles. Seek medical care only if mechanical irritation persists.
* Skin Contact: Non-irritating cosmetic/architectural grade mineral mica; wash hands with soap and water after handling.
* Inhalation / Ingestion: Move to fresh air if dust is inhaled; blow nose and rinse mouth with water. Emergency: CHEMTREC 1-800-424-9300.

SECTION 5 - FIRE-FIGHTING MEASURES

* Non-flammable, non-combustible inorganic mineral solid (melting point >1,200°C). Will not burn or support dust-cloud explosion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

* Avoid dry sweeping that raises airborne dust. Vacuum with HEPA shop-vac or wet-wipe with damp cloth and place in waste bag.

SECTION 7 - HANDLING AND STORAGE

*** Pour slowly down mixing-bucket wall directly into liquid Part A Resin before starting 350 RPM drill paddle to eliminate airborne dust.**

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (PEL / TLV)

* Nuisance Dust PEL/TLV: Mica (12001-26-2) OSHA PEL 20 mppcf (~3 mg/m3 resp), ACGIH TLV 0.1 mg/m3 resp; TiO2 OSHA PEL 15 mg/m3 total, TLV 10 mg/m3; Fe2O3 PEL 10 mg/m3, TLV 5 mg/m3.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Iridescent pearlescent powder, odorless	**Particle Size / pH:**	10 - 60 microns | pH 6.5 - 9.5 (10% aq)
Specific Gravity:	2.8 - 3.4 g/cm3 (bulk 0.25-0.45 g/cm3)	**Solubility in Water:**	Insoluble (disperses in liquid resin)
Flash / Melting Pt:	Non-Flammable | Melting > 2,190°F	**VOC / Shelf Life:**	0 g/L (100% Mineral Solid) | Indefinite

SECTION 10 - STABILITY AND REACTIVITY

* Chemically inert and thermally stable above 800°C. No hazardous polymerization or incompatibilities under normal storage/use.

SECTION 11 - TOXICOLOGICAL INFORMATION

* Oral LD50 (rat) >15,000 mg/kg. Non-toxic, non-corrosive, non-sensitizing. Sintered TiO2/Mica platelets contain <0.1% crystalline silica.

SECTION 12 - ECOLOGICAL INFORMATION

* Ecologically inert natural mineral silicate/oxide composition; non-toxic to fish, daphnia, and aquatic plants; non-bioaccumulative.

SECTION 13 - DISPOSAL CONSIDERATIONS

* Not a RCRA hazardous waste (40 CFR 261). Dispose clean mineral powder or empty recyclable PET jars as standard solid waste.

SECTION 14 - TRANSPORT INFORMATION (US DOT 49 CFR / IMDG / IATA)

*** US DOT (49 CFR) / IATA Air / IMDG Ocean / Amazon FBA: NOT REGULATED (Non-Hazardous Cosmetic/Architectural Mineral Pigment).**
*** Freight & Parcel Status: Unrestricted standard parcel, air cargo, ocean freight, and Amazon FBA non-hazmat sortable inventory.**
* Emergency Transport Response (49 CFR Sec. 172.604): CHEMTREC 24-HR: 1-800-424-9300.

SECTION 15 - REGULATORY INFORMATION (TSCA / SARA / 50-STATE VOC)

* US EPA TSCA 8(b): All mineral components ACTIVE/Exempt. SARA 311/312 & SARA 313: Not Regulated / None. 50-State 0 g/L VOC Compliant.

SECTION 16 - OTHER INFORMATION, HMIS RATINGS & REVISION LOG

*** HMIS III Rating: Health: 0 (1 for nuisance dust) | Flammability: 0 | Physical Hazard: 0 | PPE: E (Safety Glasses & N95 Dust Mask when pouring dry)**
* Revision Date: November 2026 (Rev 2026.11) | Prepared By: Epoxy49 LLC · 1714 W 23rd St, Houston, TX 77008 · (346) 281-7132.
* Disclaimer: Data furnished in good faith per OSHA 29 CFR 1910.1200. Because substrate moisture and field execution are beyond manufacturer control, liability is limited to replacement of defective product.