Safety Data Sheet — Bronze Mica

Revision Date: 15-Nov-2026 **Revision No.:** 1

Transport Symbol	WHMIS	NFPA	Personal Protective Equipment
Not controlled	Not controlled		

SECTION 1: Identification

Product Name: Bronze Mica

INCI Name: Mica, Iron Oxides (CI 77491), Titanium Dioxide (CI 77891)

Synonyms: Bronze Mica; mica-based bronze effect pigment

Intended Use: Cosmetic ingredient (color / effect pigment); colorant for industrial use.

Restrictions on Use: Not for food use. Use only as a colorant in cosmetic and industrial applications.

Supplier: TKB Trading, LLC | 939 E 11th St, Oakland, CA 94606

Email: support@tkbtrading.com

Website: www.tkbtrading.com

Emergency Number: TKB Trading: 510-451-9011 (business hours) | Poison Control (US): 1-800-222-1222 (24/7)

Standard: OSHA HazCom 29 CFR 1910.1200 (HazCom 2024) / GHS Rev 7

SECTION 2: Hazards Identification

GHS Classification: Not classified.

Hazard Pictograms: None required.

Signal Word: None

Hazard Statements: None required.

Precautionary Statements: None required. Good practice: avoid breathing dust; avoid dust generation; wash hands after handling.

Hazards Not Otherwise Classified (HNOC): None known. Dust may cause mechanical irritation of the eyes, nose and throat.

Other Hazards: Contains titanium dioxide: IARC Group 2B (possibly carcinogenic to humans) by inhalation of respirable dust; not relevant when bound in a finished cosmetic product. Inorganic product; not a combustible dust.

SECTION 3: Composition / Ingredients

Substance / Mixture: Mixture (effect pigment).

Ingredient (INCI)	CAS No.	Weight %	GHS-US Classification
Mica	12001-26-2	60 – 80	Not classified
Iron Oxides (CI 77491)	1309-37-1	30 – 60	Not classified
Titanium Dioxide (CI 77891)	13463-67-7	1 – 5	Not classified

No ingredient is classified as hazardous under 29 CFR 1910.1200. Concentration ranges are given to protect confidential business information or reflect batch variation.

SECTION 4: First Aid Measures

Inhalation: If difficulties occur after dust has been inhaled, move to fresh air and get medical attention.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water.

Eye Contact: Remove contact lenses, if present and easy to do. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical advice if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting. Get medical advice if you feel unwell or if large quantities have been swallowed.

Symptoms: Dust above exposure limits may cause irritation of the eyes, nose, throat and lungs (redness, coughing). Repeated or prolonged inhalation of dust may cause chronic respiratory irritation.

Medical Attention: Treat symptomatically.

SECTION 5: Firefighting Measures

Suitable Media: Dry chemical, carbon dioxide (CO_2), water spray (fog) or foam.

Unsuitable Media: Do not use a water jet — may disperse dust.

Special Hazards: Not flammable, not explosive. In a surrounding fire, decomposition products may include metal oxides.

Firefighter PPE: Wear self-contained breathing apparatus (SCBA) with full face-piece in positive-pressure mode and protective clothing.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid breathing dust and avoid dust generation. Wear protective equipment (see Section 8).

Environmental: Avoid dispersal of spilled material and contact with soil, waterways, drains and sewers.

Containment and Cleanup: Vacuum (HEPA) or carefully sweep up material without creating dust and place in a labeled waste container. Dispose of according to Section 13.

SECTION 7: Handling and Storage

Safe Handling: Avoid breathing dust and minimize dust generation. Ensure good ventilation of the work station. Do not eat, drink or smoke in work areas. Wash hands and face after handling.

Storage: Store in a dry, cool, well-ventilated area away from heat and direct sunlight. Keep container tightly closed; reseal opened containers carefully.

Incompatible Materials: Strong oxidizing agents.

SECTION 8: Exposure Controls / Personal Protection

Component (CAS No.)	OSHA PEL (TWA)	ACGIH TLV (TWA)	NIOSH REL (TWA)
Mica (12001-26-2)	20 mppcf (Z-3)	0.1 mg/m³ (respirable)	3 mg/m³ (respirable)
Iron oxide (1309-37-1)	10 mg/m³ (as fume)	5 mg/m³ (respirable)	5 mg/m³ (as fume)
Titanium dioxide (13463-67-7)	15 mg/m³ (total dust)	2.5 mg/m³ (fine-scale, respirable); 0.2 mg/m³ (nanoscale, respirable)	2.4 mg/m³ (fine); 0.3 mg/m³ (ultrafine); potential occupational carcinogen

Engineering Controls: Use with adequate ventilation. Where dust is generated, use local exhaust ventilation or process enclosure to keep exposure below the limits above. Eyewash station recommended.

Eye Protection: Safety glasses with side shields; dust goggles where dust levels are high.

Hand and Skin Protection: Protective gloves (e.g., nitrile); suitable work clothing.

Respiratory: Where dust exceeds exposure limits or ventilation is inadequate, use a NIOSH-approved particulate respirator (N95 or better) as part of a program meeting 29 CFR 1910.134.

Hygiene Measures: Wash hands, forearms and face after handling and before eating, drinking or smoking. Wash contaminated clothing before reuse.

SECTION 9: Physical and Chemical Properties

Physical State / Appearance: Solid powder

Color: Brown (golden bronze)

Odor: Odorless

Odor Threshold: Not available

pH: 6 – 10 (4% aqueous suspension)

Melting Point: > 1,000 °C (> 1,832 °F)

Boiling Point / Range: Not available

Flash Point: Not available

Flammability: Not flammable

Explosion Limits (Lower / Upper): Not available

Vapor Pressure: Not available

Vapor Density: Not available

Relative Density: 3.3

Bulk Density: 171 kg/m³

Solubility in Water: Insoluble (cold and hot water)

Partition Coefficient (n-octanol/water): Not available

Autoignition Temperature: Not available

Decomposition Temperature: Not available

Viscosity: Not available

VOC Content: 0%

Self-Heating: Not capable of spontaneous heating.

SECTION 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable.

Hazardous Reactions: Will not occur under normal conditions of storage and use.

Conditions to Avoid: Dust generation and accumulation.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: None under normal conditions. In case of fire: metal oxides.

SECTION 11: Toxicological Information

Likely Routes of Exposure: Inhalation of dust, eye contact, skin contact.

Acute Toxicity: Not classified. Product: oral LD50 > 5,000 mg/kg (rat). Titanium dioxide: oral LD50 > 5,000 mg/kg (rat); dermal LD50 > 10,000 mg/kg (rabbit). Iron oxide: oral LD50 > 10,000 mg/kg (rat).

Skin Corrosion/Irritation: Not classified (pH 6 – 10).

Serious Eye Damage/Irritation: Not classified (pH 6 – 10). Dust may cause mechanical irritation.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified. Titanium dioxide: IARC Group 2B (possibly carcinogenic to humans, inhalation of respirable dust). Iron oxide: IARC Group 3 (not classifiable). Not listed by NTP or OSHA.

Reproductive Toxicity: Not classified.

STOT — Single / Repeated Exposure: Not classified. Prolonged or repeated inhalation of dust may cause chronic respiratory irritation.

Aspiration Hazard: Not applicable (solid).

SECTION 12: Ecological Information

Ecotoxicity: Not classified as hazardous to the aquatic environment. Product: fish LC50 (96 h) > 100 mg/L. Titanium dioxide: fish LC50 (96 h) > 1,000 mg/L; Daphnia magna EC50 (48 h) > 1,000 mg/L.

Persistence/Degradability: Not applicable — inorganic, insoluble pigment.

Bioaccumulative Potential: Low (titanium dioxide BCF 19 – 352).

Mobility in Soil: Insoluble; low mobility expected.

Other Adverse Effects: Not an ozone-depleting substance.

SECTION 13: Disposal Considerations

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations via a licensed waste disposal contractor. Do not discharge to sewers or waterways.

Contaminated Packaging: Empty containers may retain product residue. Recycle or dispose of according to official regulations.

SECTION 14: Transport Information

UN Number: Not regulated (DOT / TDG / IMDG / IATA).

UN Proper Shipping Name: Not regulated.

Transport Hazard Class: Not regulated.

Packing Group: Not regulated.

Environmental Hazards: No. Not a marine pollutant.

SECTION 15: Regulatory Information

US Federal Regulations: Not a hazardous chemical under OSHA HazCom 2024 (29 CFR 1910.1200). TSCA: titanium dioxide and iron oxide listed (active); mica is a naturally occurring substance and is considered listed. SARA 311/312 hazard categories: None. SARA 313: none listed.

US State Regulations: California Proposition 65: WARNING — this product can expose you to titanium dioxide (airborne, unbound particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Cosmetic Use (US FDA): Mica (21 CFR 73.2496), iron oxides (21 CFR 73.2250) and titanium dioxide (21 CFR 73.2575) are color additives exempt from certification, permitted in cosmetics generally, including the eye area and lips.

International Inventories: Canada DSL: all components listed. Mexico INSQ: all components listed.

SECTION 16: Other Information

Indication of Changes: Issued in 16-section GHS format aligned to OSHA HazCom 2024 / GHS Rev 7.

Revision No. / Date: 1 / 15-Nov-2026

NFPA Rating: Health: 1 | Flammability: 0 | Instability: 0

HMIS Rating: Health: 1 | Flammability: 0 | Physical Hazard: 0

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