

# Material Safety Data Sheet

## Section 1. Product and Company Identification

**Product Name**      **Gold Fine  
Cosmetic Pigment**

**Supplier**      TKB Trading, LLC  
1101 9th Avenue  
Oakland, CA 94606  
510-451-9011

**Effective Date**      1/30/2009

**Print Date**      1/30/2009

**Material Uses**      Cosmetic Pigments

**Chemical Family**      Inorganic Pigment

## Section 2. Hazards Identification

**EMERGENCY OVERVIEW**      MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

**Appearance**      Solid. (Red-gold, odorless, lustrous powder)

**Likely Routes of Exposure**      Eye contact. Inhalation. Ingestion (not anticipated).

### Potential Acute Health Effects

**Eyes**      May cause eye irritation.    Symptoms include: itching and redness after contact.

**Skin**      May cause mild skin irritation.    Symptoms include: itching and redness after contact.

**Inhalation**      May cause respiratory tract irritation.    Symptoms include: coughing, wheezing or shortness of breath when inhaled.

**Ingestion**      Not an intended route of exposure.    May be hazardous in case of ingestion. Symptoms include: gastrointestinal tract upset and diarrhea.

### Potential Chronic Health Effects

Additional information    See Toxicological Information (section 11)

**Medical Conditions aggravated by Exposure**      Repeated or prolonged inhalation of any dust particulate may aggravate respiratory medical conditions.

## Section 3. Composition and Information on Ingredients

Component	CAS #	% by Weight
TITANIUM DIOXIDE	13463-67-7	42-52
MICA (mineral)	12001-26-2	36-52
IRON OXIDE	1309-37-1	6-12

Continued on Next Page

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reusing. Clean shoes thoroughly before reuse. If symptoms develop, seek medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion</b>	Do not ingest. If this material is swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Never give anything by mouth to an unconscious person.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	Non-flammable.
<b>Fire Fighting Media and Instructions</b>	In case of fire, use water spray (fog), foam, dry chemical, or CO2.
<b>Protective Clothing (Fire)</b>	Wear self-contained breathing apparatus and full protective clothing.

**Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill and Leak</b>	Use appropriate tools to put the spilled material into a labeled waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements. Check TLV- Section 8 of MSDS.
<b>Spill Kit Information</b>	No specific spill kit required for this product.

**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin or clothing. Avoid generating dust. Avoid breathing dust. Use with adequate ventilation. Keep container closed. Wash thoroughly after handling.
<b>Storage</b>	Keep container dry. Keep containers sealed until ready for use.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<b>Personal Protection</b>	
<b>Eye/Face Protection</b>	Safety glasses.
<b>Skin Protection</b>	Lab coat.
<b>Respiratory Protection</b>	Dust mask. Use additional appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
<b>Hands</b>	Recommended: Nitrile gloves.
<b>Feet</b>	Not applicable.

**Protective Clothing  
(Pictograms)**



**Personal Protection in  
Case of a Large Spill**

Splash goggles. Synthetic apron. Nitrile gloves. Wear MSHA/NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

**Product Name**

**Exposure Limits**

TITANIUM DIOXIDE

**ACGIH (United States, 1996).**

TWA: 10 mg/m<sup>3</sup> 8 hour/hours.

**OSHA Final Rule (United States, 1989).**

TWA: 10 mg/m<sup>3</sup> 8 hour/hours. Form: Total dust

MICA (mineral)

**ACGIH (United States, 1994).**

TWA: 3 mg/m<sup>3</sup>

**OSHA (United States, 1989). Notes: Respirable**

TWA: 3 mg/m<sup>3</sup>

**ACGIH (United States, 1994).**

TWA: 3 mg/m<sup>3</sup> 8 hour/hours.

**NIOSH REL (United States, 1994).**

TWA: 3 mg/m<sup>3</sup> 10 hour/hours. Form: Respirable fraction

**OSHA Final Rule (United States, 1989).**

TWA: 3 mg/m<sup>3</sup> 8 hour/hours. Form: Respirable dust

IRON OXIDE

**ACGIH (United States, 1996).**

TWA: 5 mg/m<sup>3</sup>

**OSHA (United States, 1989). Notes: Total**

STEL: 10 ppm

**ACGIH (United States, 1997).**

TWA: 10 mg/m<sup>3</sup> 8 hour/hours.

TWA: 5 mg/m<sup>3</sup> 8 hour/hours. Form: Dust and fumes

**NIOSH REL (United States, 1994).**

TWA: 5 mg/m<sup>3</sup> 10 hour/hours. Form: Dust and fumes

**OSHA Final Rule (United States, 1989).**

STEL: 10 ppm 15 minute/minutes. Form: Total particulates

**Section 9. Physical and Chemical Properties**

<b>Odor</b>	Odorless.
<b>Color</b>	Red-gold
<b>Physical State and Appearance</b>	Solid. (Red-gold, odorless, lustrous powder)
<b>Molecular Weight</b>	Not available.
<b>Molecular Formula</b>	Not applicable.
<b>pH</b>	6 to 11 (Conc. (% w/w): 10)
<b>Melting/Freezing Point</b>	Not available.
<b>Specific Gravity</b>	Not applicable.
<b>Density</b>	Bulk Density 3.1 to 4.1 g/in <sup>3</sup>
<b>Solubility</b>	Insoluble in water.

### Section 10. Stability and Reactivity

**Stability and Reactivity** The product is stable.

**Hazardous Decomposition Products** Not applicable.

**Hazardous Polymerization** Will not occur.

### Section 11. Toxicological Information

**RTECS Number:** Titanium Dioxide XR2275000  
Mica (mineral) VV8760000  
Iron Oxide NO7400000

**Toxicity** Acute oral toxicity (LD50): >16000 mg/kg [Rat].

**Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Classified None. by NIOSH [TITANIUM DIOXIDE]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [TITANIUM DIOXIDE]. Classified None. by NIOSH [IRON OXIDE]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [IRON OXIDE].  
**MUTAGENIC EFFECTS** Not available.  
**TERATOGENIC EFFECTS** Not available.  
**DEVELOPMENTAL TOXICITY** Not available.  
Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.  
Target Organs: eyes, lungs, skin.

**Acute Effects on Humans** May cause skin, eye and respiratory irritation.

**Sensitization** Repeated or prolonged exposure to the substance at concentrations above the exposure limits may cause respiratory tract and lung sensitization.

**Carcinogenic Effects** This material is not known to cause cancer in animals or humans.

### Section 12. Ecological Information

**Toxicity of the Products of Biodegradation** Not available.

### Section 13. Disposal Considerations

**EPA Waste Number** Non-hazardous chemical waste.

**Treatment** Dispose of according to all federal, state and local regulations.

### Section 14. Transport Information

**DOT Classification** Not regulated.

**TDG Classification** Not regulated.

**IMO/IMDG Classification** Not regulated.

**ICAO/IATA Classification** Not regulated.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** TSCA 8(b) inventory: TITANIUM DIOXIDE; MICA (mineral); IRON OXIDE  
 SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 302/304/311/312 hazardous chemicals: TITANIUM DIOXIDE; MICA (mineral); IRON OXIDE  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: TITANIUM DIOXIDE: Immediate (acute) health hazard; MICA (mineral): Immediate (acute) health hazard; IRON OXIDE: Immediate (acute) health hazard  
 SARA 313 Form R Reporting Requirements- No products were found.  
 SARA 313 Supplier Notification- No products were found.  
 Clean Water Act (CWA) 307: No products were found.  
 Clean Water Act (CWA) 311: No products were found.  
 Clean Air Act (CAA) 112 accidental release prevention: No products were found.  
 Clean Air Act (CAA) 112 regulated flammable substances: No products were found.  
 Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

**WHMIS (Canada)** Not controlled under WHMIS (Canada).  
 CEPA DSL: TITANIUM DIOXIDE; MICA (mineral); IRON OXIDE

**International Regulations**

**EINECS** TITANIUM DIOXIDE 236-675-5  
 MICA (mineral) 3101276  
 IRON OXIDE 215-168-2

**DSCL (EEC)** S22- Do not breathe dust.  
 R36/37/38- Irritating to eyes, respiratory system and skin.

**International Lists** Australia (NICNAS): TITANIUM DIOXIDE; MICA; IRON OXIDE  
 Japan (METI): TITANIUM DIOXIDE; MICA; IRON OXIDE  
 Korea (TCCL): TITANIUM DIOXIDE; MICA; IRON OXIDE  
 Philippines (RA6969): TITANIUM DIOXIDE; MICA; IRON OXIDE


**State Regulations** Pennsylvania RTK: TITANIUM DIOXIDE: (generic environmental hazard); IRON OXIDE: (generic environmental hazard)  
 Massachusetts RTK: TITANIUM DIOXIDE; MICA (mineral); IRON OXIDE  
 New Jersey: TITANIUM DIOXIDE; MICA (mineral); IRON OXIDE

**Section 16. Other Information**

**Hazardous Material Information System (U.S.A.) HMIS® III**

HEALTH	*	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		E

**Other Special Considerations** Not available.

**Changed Since Last Revision** 

**Notice to Reader**

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