

# Material Safety Data Sheet

## Section 1. Product and Company Identification

<b>Product Name</b>	<b>Patagonia Purple Cosmetic Pigment</b>
<b>Manufacturer</b>	TKB Trading, LLC 1101 9th Avenue Oakland, CA 94606 510-451-9011
<b>Effective Date</b>	2/28/2003
<b>Print Date</b>	2/28/2003

**Material Uses** Cosmetic Pigments

**Chemical Family** Inorganic pigment.

## Section 2. Composition and Information on Ingredients

<b>Component</b>	<b>CAS #</b>	<b>% by Weight</b>
MICA (mineral)	12001-26-2	42-54
IRON OXIDE	1309-37-1	26-32
TITANIUM DIOXIDE	13463-67-7	18-22
FERRIC FERROCYANIDE	14038-43-8	2-4

## Section 3. Hazards Identification

**Physical State and Appearance** Solid. (Purple, lustrous, odorless powder)

**Emergency Overview** MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

**Routes of Entry** 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 Overexposure:** Repeated or prolonged inhalation of any dust particulate may aggravate respiratory medical conditions.

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**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. Thoroughly clean shoes 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. If symptoms persist, seek 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. 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 regulatory 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 in Section 8 of MSDS and with local authorities.
<b>Spill Kit Information</b>	No specific spill kit required for this product.

**Section 7. Handling and Storage**

<b>Handling</b>	Avoid generating dust. Avoid breathing dust. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. 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>Eyes</b>	Safety glasses.
<b>Body</b>	Lab coat.
<b>Respiratory</b>	Dust mask. Use additional appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
<b>Hands</b>	Recommended: Gloves.
<b>Feet</b>	Not applicable.

**Protective Clothing  
(Pictograms)**



**Personal Protection in Case of a Large Spill** Splash goggles. Synthetic apron. Gloves. Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

Product Name	Exposure Limits
MICA (mineral)	<p><b>ACGIH (United States, 1994).</b> TWA: 3 mg/m<sup>3</sup></p> <p><b>OSHA (United States, 1989). Notes: Respirable</b> TWA: 3 mg/m<sup>3</sup></p> <p><b>ACGIH (United States, 1994).</b> TWA: 3 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>NIOSH REL (United States, 1994).</b> TWA: 3 mg/m<sup>3</sup> 10 hour(s). Form: Respirable fraction</p> <p><b>OSHA Final Rule (United States, 1989).</b> TWA: 3 mg/m<sup>3</sup> 8 hour(s). Form: Respirable dust</p>
IRON OXIDE	<p><b>ACGIH (United States, 1996).</b> TWA: 5 mg/m<sup>3</sup></p> <p><b>OSHA (United States, 1989). Notes: Total</b> STEL: 10 ppm</p> <p><b>ACGIH (United States, 1997).</b> TWA: 10 mg/m<sup>3</sup> 8 hour(s). TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Dust and fumes</p> <p><b>NIOSH REL (United States, 1994).</b> TWA: 5 mg/m<sup>3</sup> 10 hour(s). Form: Dust and fumes</p> <p><b>OSHA Final Rule (United States, 1989).</b> STEL: 10 ppm 15 minute(s). Form: Total particulates</p>
TITANIUM DIOXIDE	<p><b>ACGIH (United States, 1996).</b> TWA: 10 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>OSHA Final Rule (United States, 1989).</b> TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total dust</p>
FERRIC FERROCYANIDE	<p><b>ACGIH (United States, 1994).</b> TWA: 1 mg/m<sup>3</sup> 8 hour(s).</p>

**Section 9. Physical and Chemical Properties**

<b>Odor</b>	Odorless.
<b>Color</b>	Purple.
<b>Physical State and Appearance</b>	Solid. (Purple, lustrous, odorless powder)
<b>Molecular Weight</b>	Mixture.
<b>Molecular Formula</b>	Not applicable.
<b>pH</b>	3 to 6 (Conc. (% w/w): 10)
<b>Melting/Freezing Point</b>	Not available.
<b>Specific Gravity</b>	Not applicable.
<b>Density</b>	Bulk density 3 to 4 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:** Mica (mineral) VV8760000  
Iron Oxide NO7400000  
Titanium Dioxide XR2275000  
Ferric ferrocyanide LJ8200000

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

**Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Classified None. by NIOSH [IRON OXIDE]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [IRON OXIDE]. Classified None. by NIOSH [TITANIUM DIOXIDE]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [TITANIUM DIOXIDE].  
**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** The product itself and its products of degradation are not toxic.

### Section 13. Disposal Considerations

**EPA Waste Number** Non-hazardous 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.



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