

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name	Colorona Dark Blue Cosmetic Pigment		
Supplier	TKB Trading, LLC 1101 9th Avenue Oakland, CA 94606 510-451-9011	Effective Date	5/18/2003
		Print Date	5/18/2003

Material Uses	Cosmetic Pigments
Chemical Family	Inorganic pigment.

Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
MICA (mineral)	12001-26-2	43-57
TITANIUM DIOXIDE	13463-67-7	40-48
FERRIC FERROCYANIDE	14038-43-8	3-9

Section 3. Hazards Identification

Physical State and Appearance	Solid. (Dark blue, odorless, lustrous powder)
Emergency Overview	MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Routes of Entry	Eye contact. Inhalation. Ingestion (not anticipated).
Potential Acute Health Effects	<p>Eyes May cause eye irritation. Symptoms include: itching and redness after contact.</p> <p>Skin May cause mild skin irritation. Symptoms include: itching and redness after contact.</p> <p>Inhalation May cause respiratory tract irritation. Symptoms include: coughing, wheezing or shortness of breath when inhaled.</p> <p>Ingestion Not an intended route of exposure. May be hazardous in case of ingestion. Symptoms include: gastrointestinal tract upset and diarrhea.</p>
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

Eye Contact	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.
Skin Contact	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.
Inhalation	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.
Ingestion	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

Flammability of the Product	Non-flammable.
Fire Fighting Media and Instructions	In case of fire, use water spray (fog), foam, dry chemical, or CO ₂ .
Protective Clothing (Fire)	Wear self-contained breathing apparatus and full protective clothing.

Section 6. Accidental Release Measures

Small Spill and Leak	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.
Large Spill and Leak	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.
Spill Kit Information	No specific spill kit required for this product.

Section 7. Handling and Storage

Handling	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.
Storage	Keep container dry. Keep containers sealed until ready for use.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	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.
Personal Protection	
Eyes	Safety glasses.
Body	Lab coat.
Respiratory	Dust mask. Use additional appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
Hands	Recommended: Gloves.
Feet	Not applicable.

Protective Clothing (Pictograms)

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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)	ACGIH (United States, 1994). TWA: 3 mg/m ³ OSHA (United States, 1989). Notes: Respirable TWA: 3 mg/m ³ ACGIH (United States, 1994). TWA: 3 mg/m ³ 8 hour(s). NIOSH REL (United States, 1994). TWA: 3 mg/m ³ 10 hour(s). Form: Respirable fraction OSHA Final Rule (United States, 1989). TWA: 3 mg/m ³ 8 hour(s). Form: Respirable dust
TITANIUM DIOXIDE	ACGIH (United States, 1996). TWA: 10 mg/m ³ 8 hour(s). OSHA Final Rule (United States, 1989). TWA: 10 mg/m ³ 8 hour(s). Form: Total dust
FERRIC FERROCYANIDE	ACGIH (United States, 1994). TWA: 1 mg/m ³ 8 hour(s).

Section 9. Physical and Chemical Properties

Odor	Odorless.
Color	Dark Blue
Physical State and Appearance	Solid. (Dark blue, odorless, lustrous powder)
Molecular Weight	Mixture.
Molecular Formula	Not applicable.
pH	4 to 7 (Conc. (% w/w): 10)
Melting/Freezing Point	Not available.
Specific Gravity	Not applicable.
Density	Bulk Density 3.5 to 4.1 g/in ³
Solubility	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
	Titanium Dioxide	XR2275000
	Ferric ferrocyanide	LJ8200000
Toxicity	Acute oral toxicity (LD50): >16000 mg/kg [Rat].	

Chronic Effects on Humans

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