



Material Safety Data Sheet

Section 1. Product

Product Name **Fine Cool White**

Effective Date **5/5/2018**

Print Date **5/5/2018**

Material Uses **Cosmetic Pigments**

Chemical family **Inorganic pigment.**

Section 2. Composition and Information on ingredients

Component		% by Weight
MICA (mineral)		60-65
TITANIUM DIOXIDE		35-40

Section 3. Hazards Identification

Physical State and Appearance **Solid. (Silver-white, 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

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 CO2.
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

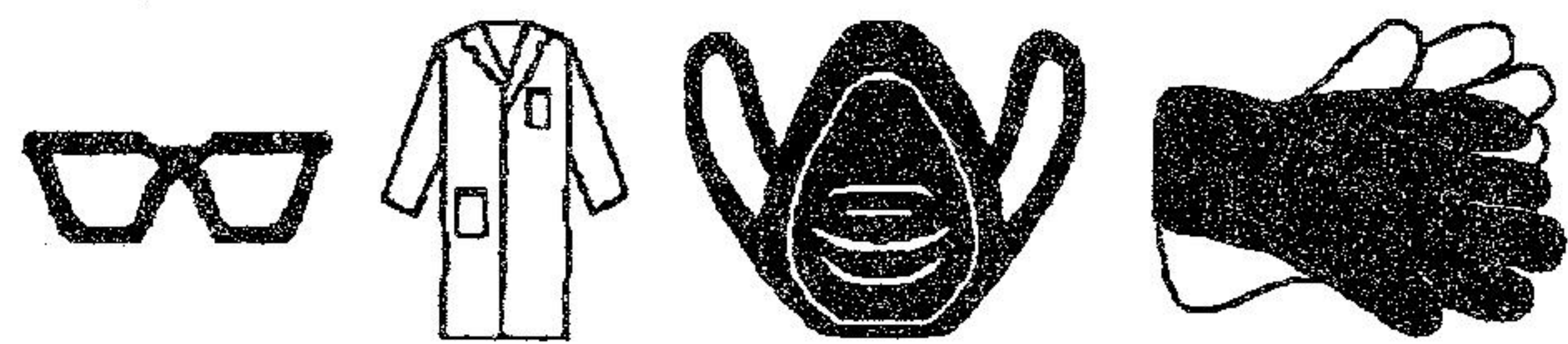
Handling	Avoid generating dust. Avoid breathing dust. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.
Storage	Keep container dry. Keep containers sealed until ready for use.

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

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Protective Clothing
(Pictograms)



Personal Protection in Case of **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, 1934). 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 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
TITANIUM DIOXIDE	

Section 9. Physical and Chemical Properties

Odor	odorless
Color	silver-white
Physical State and Appearance	Solid. (Silver-white, odorless, powder)
Molecular Weight	Mixture.
Molecular Formula	Not applicable.
pH	8 to 11 (Cone. (% w/w): 10%)
Melting/Freezing Point	Not available.
Specific Gravity	Not applicable.
Density	Bulk Density 2.2 to 3 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

KTECS Number: Mica (mineral) 8760000
Titanium Dioxide XR2275040

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 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

ERA Waste Number Non-hazardous waste

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

Section 14. Transport Information

DOT Classification Not regulated.

TUG Classification Not regulated.

IviO/IMDG Classification Not regulated.

ICAO/IATA Classification Not regulated.

Section 15. Regulatory Information

U.S. Federal Regulations **TSCA 8(b) inventory:** MICA (mineral); TITANIUM DIOXIDE
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: MICA (mineral); TITANIUM DIOXIDE
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: MICA (mineral): immediate (Acute) Health Hazard; TITANIUM DIOXIDE: Immediate (Acute) Health Hazard
SARA 313 toxic chemical notification and release reporting: 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: MICA (mineral); TITANIUM DIOXIDE

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EIMCS

MICA
TITANIUM DIOXIDE

310-127-6
236-675-5

SCL (EEC)

S22- Do not breathe dust.

International Lists;

Australia (NICNAS): MICA; TITANIUM DIOXIDE

Japan (MITI): MICA; TITANIUM DIOXIDE

Korea TCCL): MICA; TITANIUM DIOXIDE

Philippines (RA6969): MICA; TITANIUM DIOXIDE

State Regulations

Pennsylvania RTK: TITANIUM DIOXIDE: (generic environmental hazard)
Massachusetts RTK: MICA (mineral); TITANIUM DIOXIDE
New Jersey: MICA (mineral); TITANIUM DIOXIDE

Hazardous Material Information System (U.S.A.)

Fire Hazard	1
Reactivity	1
Personal Protection	JIT

**National Fire
Protection
Association (U.S.A.)**

Other Special Considerations

Not available.

Changed **Since** Last Revision

Technical Data Sheet

Cosmetic Pigment **Fine Cool White**

INCI NAME: Mica and Titanium Dioxide
APPEARANCE: Silver white powder

CHEMICAL COMPOSITION:

Mica 60.0 - 66.0
TiO₂ 35.0 - 40.0

PARTICLE SIZE: 5.0 - 10.0 μ m (80 % within range)
(Laserbeam Diffraction; Malvern;2000) 9.0 - 13.0 μ m (D50: median size)
pH: 8.0 - 11.0
(10 % aqueous dispersion; ISO 787-9)

LOSS ON DRYING: < 0.5 %
(105°C; 2 hours; ISO 787-2)

MICROBIAL PURITY: Total liable Aerobic Count < 100 CFU/g
(USP, Ph, Eur.)
E. coli absent in 1 g
Pseudomonas Aeruginosa absent in 1 g
Staphylococcus aureus absent in 1 g
Salmonella species absent in 10 g
Gram negative bacteria absent in 1 g
Candida albicans absent in 1 g

HEAVY METALS: As < 2 ppm Hg < 1 ppm
(Modified CTFA and internal methods) Ba < 50 ppm Ni < 10 ppm
Cd < 3 ppm Pb < 10 ppm
Cr < 100 ppm Sb < 1 ppm
Cu < 50 ppm Zn < 50 ppm

ADDITIONAL DATA:
The following data is included for informational purposes only and is not part of the product specifications.

BULK DENSITY: 2.2 - 2.5 g/cm³
OIL ABSORPTION: (ASTM D281-84) appr. 35 g/100 g pigment
SHELF LIFE: 5 Years

DATE: 06 - 2018