



Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name **Colorona® Carmine Red Cosmetic Pigment** Product Code 017272
Manufacturer EMD Chemicals Inc.

Material Uses Cosmetic Pigments

Chemical Family Inorganic pigment.

Section 2. Composition and Information on Ingredients

| Component | CAS # | % by Weight |
|------------------|------------|-------------|
| MICA (mineral) | 12001-26-2 | 48-60 |
| TITANIUM DIOXIDE | 13463-67-7 | 39-48 |
| CARMINE | 1390-65-4 | 1-4 |

Section 3. Hazards Identification

Physical State and Appearance Solid. (Red, 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

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.

Continued on Next Page

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

Protective Clothing (Pictograms)



Continued on Next Page

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 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 Not available. |
| TITANIUM DIOXIDE | |
| CARMINE | |

Section 9. Physical and Chemical Properties

| | |
|-------------------------------|---|
| Odor | Odorless. |
| Color | Carmine red |
| Physical State and Appearance | Solid. (Red, odorless, lustrous powder) |
| Molecular Weight | Mixture. |
| Molecular Formula | Not applicable. |
| pH | 6 to 10 (Conc. (% w/w): 10) |
| Melting/Freezing Point | Not available. |
| Specific Gravity | Not applicable. |
| Density | Bulk Density 3.2 to 4.7 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 |
| | Carmine | Not available. |
| Toxicity | Acute oral toxicity (LD50): >16000 mg/kg [Rat]. | |

Chronic Effects on Humans

Continued on Next Page

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]. Classified None. by NIOSH [CARMINE].

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.

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; CARMINE

International Regulations

EINECS MICA 310-127-6
 TITANIUM DIOXIDE 236-675-5
 CARMINE 215-724-4

DSCL (EEC) S22- Do not breathe dust.

Continued on Next Page

International Lists Australia (NICNAS): MICA; TITANIUM DIOXIDE; CARMINE

Korea (TCCL): MICA; TITANIUM DIOXIDE; CARMINE

Philippines (RA6969): MICA; TITANIUM DIOXIDE; CARMINE

State Regulations

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


Section 16. Other Information

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

| | | |
|---------------------|---|---|
| Health | * | 1 |
| Fire Hazard | | 0 |
| Reactivity | | 0 |
| Personal Protection | | E |

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

Other Special Considerations Not available.

Changed Since Last Revision 

Notice to Reader

The statements contained herein are based upon technical data that EMD Chemicals Inc. believes to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment. EMD CHEMICALS INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.