



The Chemical Company

Material Safety Data Sheet

MSDS Code: 7289Z

## Exterior Mearlin® Blue-Green

Revision date: 10/17/06 Date Printed: 10/19/06

**NFPA Classification:**

Health: 0  
Flammability: 0  
Instability: 0  
Special Hazards:

**HMIS Classification:**

Health: 1 \*  
Flammability: 0  
Physical Hazard: 0  
Personal Protection: E

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Chemical Mixture

Product Use: Colorant.

Supplier: BASF - The Chemical Company  
101 WOOD AVENUE  
ISELIN, NJ 08830-0770  
1-800-758-9567 FOR CUSTOMER SERVICE

For Chemical Emergency Call CHEMTREC (24 hours):  
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)  
1-703-527-3887 (Outside Above Area)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient CAS Number	Weight in Percent (%)	Notes
Titanium Dioxide 13463-67-7	40.0 - 50.0	None.
Chromium Oxide [Cr2O3] 1308-38-9	7.0 - 11.0	None.
Chromium Hydroxide 1308-14-1	0.3 - 1.3	None.
Mica 12001-26-2	38.0 - 53.0	None.

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:**

Color: Greenish powder with a blue-green reflection  
Form: Powder

**Odor:** Odorless  
**Flash Point, °C:** Not Applicable

**Most Important Hazards:** Prolonged or repeated exposure may cause lung damage. May cause irritation of the eyes, skin and respiratory system. May cause irritation of the mouth, throat and stomach.

**Potential Health Effects:**

**Inhalation:** May cause irritation of the respiratory tract.  
**Ingestion:** May cause irritation of the gastrointestinal tract.  
**Skin Contact:** May cause skin irritation.  
**Eye Contact:** May cause eye irritation. May cause pain and tearing.

**Carcinogenicity:**

<b>Ingredient CAS Number</b>	<b>Weight in Percent (%)</b>	<b>NTP (Y/N)</b>	<b>IARC (See Notes)</b>	<b>OSHA (Y/N)</b>	<b>ACGIH (See Notes)</b>
Titanium Dioxide 13463-67-7	40.0 - 50.0	N	N3	N	A4
Chromium Oxide [Cr2O3] 1308-38-9	7.0 - 11.0	N	N3	N	A4
Chromium Hydroxide 1308-14-1	0.3 - 1.3	N	N3	N	A4
Mica 12001-26-2	38.0 - 53.0	N	N	N	N

**Notes:**

IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not studied or probably not carcinogenic.

ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not studied.

**Chronic Health Hazards:** Prolonged or repeated inhalation of dust may cause lung damage. Prolonged or repeated skin contact may produce irritation or dermatitis.

**Aggravated Medical Conditions:** Pulmonary disorders. Allergies.

**4. FIRST AID MEASURES**

**Inhalation:** Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.  
**Ingestion:** If large quantities are ingested, seek medical advice. Not a hazard under normal use conditions.  
**Skin Contact:** Wash with soap and water. Get medical attention if irritation persists.  
**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**5. FIRE FIGHTING MEASURES**

**Flash Point, °C:** Not Applicable

**Autoignition Temperature, °C:** Not Applicable  
**Lower Explosive Limit, %:** Not Applicable  
**Upper Explosive Limit, %:** Not Applicable

**Extinguishing Media:** None - does not burn. Use extinguishing media appropriate for surrounding fire.

**Fire Fighting Procedures:** Positive pressure, self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** Not a fire or explosion hazard.

**6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Scoop up or vacuum into a container for reclamation or disposal. Avoid dusting.

**7. HANDLING AND STORAGE**

- Store in cool dry place.
- Material may be slippery when wet.
- Avoid generating or breathing dust.
- Wash thoroughly after handling.
- Avoid contact with eyes.
- Use only with adequate ventilation.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Ingredient CAS Number</b>	<b>Weight in Percent (%)</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Titanium Dioxide 13463-67-7	40.0 - 50.0	15 mg/m <sup>3</sup> (Total dust)	10 mg/m <sup>3</sup> (Total dust)
Chromium Oxide [Cr <sub>2</sub> O <sub>3</sub> ] 1308-38-9	7.0 - 11.0	0.5 mg/m <sup>3</sup> (as Cr)	0.5 mg/m <sup>3</sup> (as Cr)
Chromium Hydroxide 1308-14-1	0.3 - 1.3	0.5 mg/m <sup>3</sup> (as Cr)	0.5 mg/m <sup>3</sup> (as Cr)
Mica 12001-26-2	38.0 - 53.0	20 mppcf	3 mg/m <sup>3</sup> (Respirable fraction)

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 2006 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, June 30, 1993.

**Personal Protective Equipment:** Safety glasses with side shields.

**Respiratory Protection:** Use a NIOSH/MSHA approved respirator as necessary to protect from: dust. If respiratory protection is used, follow all requirements for respiratory programs set forth in OSHA regulations (29 CFR 1910.134).

**Ventilation:** General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Powder  
**Color:** Greenish powder with a blue-green reflection  
**Odor:** Odorless

**Melting Point, °C:** Decomposes  
**Density:** 3.4 Kg/L  
**Bulk Density:** 25.7 g/100 cc  
**Solubility (in water):** Insoluble  
**pH:** 6.0-9.0 (4% H<sub>2</sub>O)  
**Particle Size Range, µ:** D(10%) = 8.1 - 11.1 µm; D(50%) = 18.7 - 21.7 µm; D(90%) = 34.0 - 39.0 µm

**10. STABILITY AND REACTIVITY**

**Stability Data:** Stable

**Conditions/Hazards to Avoid:** None known.

**Incompatibility (Materials to Avoid):** Glycerol.

**Hazardous Decomposition Products:** None known.

**Polymerization:** Will not occur.

**Polymerization - Avoid:** None known.

**11. TOXICOLOGICAL INFORMATION**

**Information on Product:**  
No data available.

**Information on Components:**

Ingredient CAS Number	Weight in Percent (%)	Acute Toxicity - Oral	Acute Toxicity - Inhalation	Acute Toxicity - Dermal	Acute Toxicity - Other
Titanium Dioxide 13463-67-7	40.0 - 50.0	> 5,000 mg/kg (rat)	Not Available	Not Available	Not Available
Chromium Oxide [Cr <sub>2</sub> O <sub>3</sub> ] 1308-38-9	7.0 - 11.0	Not Available	Not Available	Not Available	Not Available
Chromium Hydroxide 1308-14-1	0.3 - 1.3	Not Available	Not Available	Not Available	Not Available
Mica 12001-26-2	38.0 - 53.0	Not Available	Not Available	Not Available	Not Available

**12. ECOLOGICAL INFORMATION**

**Information on Product:**  
**Environmental Fate:** No data available.

**Ecotoxicological Information:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**US EPA Waste Number:** Not Regulated

**Disposal of Waste Method:** This product, if disposed as received, is a non-hazardous waste. Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

**14. TRANSPORT INFORMATION**

**International Transport Regulations:**

**ICAO Class:** Not Regulated

**IMO Class:** Not Regulated

**US Transportation Regulations:**

**DOT Classification:** Not Regulated

**Canadian Transportation of Dangerous Goods (TDG):**

**TDG Classification:** Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories:**

**United States:** This product or its ingredients are listed on or compliant with the TSCA Inventory.  
**Canada:** This product or its ingredients are listed on or compliant with the DSL.  
**Europe:** This product or its ingredients are listed on or compliant with EINECS.  
**Japan:** This product or its ingredients are listed on or compliant with MITI.  
**Australia:** This product or its ingredients are listed on or compliant with AICS.  
**Korea:** This product or its ingredients are listed on or compliant with the ECL.  
**Philippines:** This product or its ingredients are listed on or compliant with PICCS.  
**China:** This product or its ingredients are listed on or compliant with the IECSC.

**US Federal Regulations:**

<b>Ingredient CAS Number</b>	<b>Weight in Percent (%)</b>	<b>Subject to SARA 313 Reporting</b>
Titanium Dioxide 13463-67-7	40.0 - 50.0	No
Chromium Oxide [Cr2O3] 1308-38-9	7.0 - 11.0	Yes
Chromium Hydroxide 1308-14-1	0.3 - 1.3	Yes
Mica 12001-26-2	38.0 - 53.0	No

**SARA 311/ 312 Hazard Categories:**

Acute Health Hazard

**CAA 602 Ozone Depleting Substances (ODS):**

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

**VOC Content:** None

**US State Regulations:**

**VOC Content (CARB):** None

**Canadian Regulations:**

**WHMIS Classification:**

Not Regulated

**16. OTHER INFORMATION**

**Revision number:** 6

**Section(s) Revised in this Version:** Section 1: Chemical Product and Company Identification  
Section 16: Other Information

**Prepared By:** Corporate Environmental Health & Safety Group

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
END OF DATA SHEET