



The Chemical Company

Material Safety Data Sheet

MSDS Code: 1000

# Mearlin® Magnapearl® 1000

Revision date: 10/17/06

Date Printed: 07/02/07

**NFPA Classification:**

Health: 1  
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 Corporation  
100 Campus Drive  
Florham Park, NJ 07932

For Chemical Emergency Call:  
BASF Hotline: 1-800-832-HELP  
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<br>CAS Number       | Weight in Percent (%) | Notes |
|--------------------------------|-----------------------|-------|
| Mica<br>12001-26-2             | 69.0 - 75.0           | None. |
| Titanium Dioxide<br>13463-67-7 | 25.0 - 31.0           | None. |

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:**

Color: Off-white with a pearly reflection  
Form: Powder  
Odor: Odorless  
Flash Point, °C: Not Applicable

**Most Important Hazards:** May cause irritation of the eyes, skin and respiratory system. Prolonged or repeated exposure to dust may cause pulmonary problems.

**Potential Health Effects:**

- Inhalation:** May cause irritation of the respiratory tract. Prolonged or repeated exposure to dust may cause pulmonary problems.
- Ingestion:** No adverse health effects are expected from swallowing.
- Skin Contact:** May cause skin irritation.
- Eye Contact:** Dust may cause irritation and inflammation.

**Carcinogenicity:**

| Ingredient CAS Number          | Weight in Percent (%) | NTP (Y/N) | IARC (See Notes) | OSHA (Y/N) | ACGIH (See Notes) |
|--------------------------------|-----------------------|-----------|------------------|------------|-------------------|
| Mica<br>12001-26-2             | 69.0 - 75.0           | N         | N                | N          | N                 |
| Titanium Dioxide<br>13463-67-7 | 25.0 - 31.0           | N         | N3               | N          | A4                |

**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 exposure to dust may cause pulmonary problems.

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

| Ingredient<br>CAS Number       | Weight in<br>Percent<br>(%) | OSHA PEL                          | ACGIH TLV                                 |
|--------------------------------|-----------------------------|-----------------------------------|---|
| Mica<br>12001-26-2             | 69.0 - 75.0                 | 20 mppcf                          | 3 mg/m <sup>3</sup> (Respirable fraction) |
| Titanium Dioxide<br>13463-67-7 | 25.0 - 31.0                 | 15 mg/m <sup>3</sup> (Total dust) | 10 mg/m <sup>3</sup> (Total dust)         |

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. Wear suitable gloves.

**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:** Off-white with a pearly reflection  
**Odor:** Odorless

**Boiling Point, °C:**  
**Melting Point, °C:** Decomposes  
**Density:** 3.0Kg/L  
**Bulk Density:** 16.0g/100 cc  
**Specific Gravity:** 3.0  
**Solubility (in water):** Insoluble



Average Particle Size,  $\mu$ : 17.7 - 21.3

**10. STABILITY AND REACTIVITY**

**Stability Data:** Stable  
**Conditions/Hazards to Avoid:** None known.  
**Incompatibility (Materials to Avoid):** None known.  
**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<br>CAS Number       | Weight in<br>Percent<br>(%) | Acute Toxicity -<br>Oral | Acute Toxicity -<br>Inhalation | Acute Toxicity -<br>Dermal | Acute Toxicity -<br>Other |
|--------------------------------|-----------------------------|--------------------------|--------------------------------|----------------------------|---------------------------|
| Mica<br>12001-26-2             | 69.0 - 75.0                 | Not Available            | Not Available                  | Not Available              | Not Available             |
| Titanium Dioxide<br>13463-67-7 | 25.0 - 31.0                 | > 5,000 mg/kg<br>(rat)   | 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<br/>CAS Number</b> | <b>Weight in Percent (%)</b> | <b>Subject to SARA 313 Reporting</b> |
|----------------------------------|------------------------------|--------------------------------------|
| Mica<br>12001-26-2               | 69.0 - 75.0                  | No                                   |
| Titanium Dioxide<br>13463-67-7   | 25.0 - 31.0                  | 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

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

**16. OTHER INFORMATION**

**Revision number:** 5

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

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

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