

# SAFETY DATA SHEET

BMS-PK411, CE412, RD413, OR414, OG415, OY416, MG421

**VERSION:** 001  
**ISSUE DATE:** October 16, 2017

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** Brilliant Microsphere Fluorescent Pigments  
**Product Code:** BMS-PK411, CE412, RD413, OR414, OG415, OY416, MG421,  
**Manufacturer:** CL401  
**Address:**  
  
**Emergency Phone:** +  
**Fax:** +  
**Email:**  
**Recommended Use:** Fluorescent Colorant  
**Restrictions On Use:** No information available

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## SECTION 2: HAZARDS IDENTIFICATION

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**Classification Of Substance:** Does not require classification under OSHA HCS 29CFR1910.1200.  
**Label Elements:** This product does not meet criteria for any labeling classifications.  
**Hazards Not Otherwise Classified:** No additional hazards.  
**Additional Information:** This substance is not identified as a PBT substance. This substance does not meet the criteria for the classification as dangerous in accordance with the directive 199/45/EC.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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**Substance:** This material is not considered hazardous by OSHA HCS 29CFR1910.1200.

Chemical Name	CAS #	Weight
BASIC RED 1:1	3068-39-1	1-5%
BASIC VIOLET 11:1	73398-89-7	1-5%

**Note:** Formaldehyde is used as a raw material in this product however it is present below 0.1%, the OSHA reportable level outlined in 21 CFR 1910 Subpart Z, and is thus not reported above.

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## SECTION 4: FIRST AID MEASURES

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### Recommended First Aid Measures:

**Eyes:** Rinse eyes with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice.  
**Skin:** Wash skin thoroughly with soap and water. Seek medical attention if symptoms occur.  
**Ingestion:** Wash out mouth with water. Give water to consume, if material was swallowed. Do not induce vomiting. If symptoms persist, seek medical advice.  
**Inhalation:** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious seek immediate medical attention.  
**Important Symptoms/Effects:** See section 11 for toxicological effects and additional symptoms.

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**Medical Recommendations:** Treat symptoms as they arise.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**Extinguishing Media:** Suitable extinguishing media for the surrounding fire should be used.

**Special Fire Fighting Procedures:** None.

**Specific Hazards From Substance:** May produce toxic fumes if burning.

**Hazardous Decomposition Products:** Oxides of Sulphur, Carbon, Nitrogen and other toxic fumes.

**Equipment For Fire Fighters:** Wear self-contained breath apparatus. Wear protective clothing to prevent contact with skin and eyes.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Refer to section 8 of SDS for personal protection recommendations. Use in well ventilated areas to avoid dust formation.

**Environmental Precautions:** Do not let product enter drains or waterways. In the event of a spill into lakes, rivers, or waterways, inform appropriate authorities in accordance with local regulations.

**Large Spill Clean Up:** Prevent material entry into waterways. Wet material before beginning initial clean up to avoid creating excess dust in the air. Dispose of material in specified waste container. Use personal protective equipment stated in section 8 while handling material. Call number provided in section 1 in case of an emergency.

**Small Spill Clean Up:** Prevent material entry into waterways. Wet material before beginning initial clean up to avoid creating excess dust in the air. Dispose of material in specified waste container. Use personal protective equipment stated in section 8 while handling material.

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## SECTION 7: HANDLING AND STORAGE

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**Precautions For Safe Handling:** Avoid dust formation. Take precautionary measures against static discharges. Do not heat unless fume control in place, formaldehyde emission will occur.

**Hygiene Precautions:** Avoid eating and drinking in work areas where material is being handled. Personnel who come in contact with the material should wash hand and face before eating or drinking.

**Safe Storage Conditions:** Store in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep away from strong oxidizing agents, and alkaline and acidic materials. Containers which are opened should be closed or folded over and kept upright to prevent leakage and contamination. Keep in original packaging.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Exposure Guidelines:</b>	<b>Short Term Exposure Limit</b>	<b>Long Term Exposure Limit</b>
Total Inhalable Dust	10mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Respirable Dust	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>

**Engineering Controls:** Provide local exhaust ventilation if required to control airborne dust. Also eyewash stations for emergency situations.

**Respiratory Protection:** If exposure limits are likely to be exceeded then ensure that appropriate respiratory with particle filter protection is used.

**Eye Protection:** Wear safety glasses or goggles.

**Skin Protection:** Wear safety gloves. As well as coveralls, lab coat, etc. To keep product off clothes and skin

**Work Hygienic Practices:** Standard good hygiene practices for the safe handling of chemicals should be observed.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance:** Powder  
**Color:** Various Colors  
**Odor:** Slight Characteristic Odor  
**Physical State:** Solid

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<b>pH as Supplied:</b>	No Information Available
<b>Boiling Point:</b>	Not Applicable
<b>Melting Point:</b>	Not Applicable
<b>Freezing Point:</b>	Not Applicable
<b>Flash Point:</b>	Not Applicable
<b>Evaporation Rate:</b>	Not Applicable
<b>Flammability (Solid, Gas)</b>	Not Flammable
<b>Upper Flammability Limit:</b>	Not Applicable
<b>Lower Flammability Limit:</b>	Not Applicable
<b>Pressure (mmHg):</b>	Not Applicable
<b>Vapor Density (Air = 1):</b>	Not Applicable
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1.3
<b>Evaporation Rate:</b>	Not Applicable
<b>Solubility In Water:</b>	Insoluble
<b>Partition Coefficient:</b>	Not Applicable
<b>Auto-Ignition Temperature:</b>	Not Applicable
<b>Decomposition Temperature:</b>	Not Applicable
<b>Viscosity:</b>	Not Applicable

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under recommended storage and handling conditions.
<b>Chemical Stability:</b>	Substance is stable.
<b>Possibility Of Hazardous Reactions:</b>	No hazardous reactions known.
<b>Conditions To Avoid:</b>	Excessive heat.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong alkaline or acidic materials.
<b>Hazardous Decomposition:</b>	Under normal conditions no hazardous decomposition will occur. During combustion, may emit toxic fumes.

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity LD50:</b>	>16,000mg/kg (rat)
<b>Acute Dermal Toxicity LD50:</b>	>23,000mg/kg (rat)
<b>Skin Corrosion/Irritation:</b>	There may be slight irritation at the site of contact.
<b>Serious Eye Damage/Irritation:</b>	There may be irritation and redness.
<b>Respiratory Or Skin Sensation:</b>	There may be irritation of the throat
<b>Germ Cell Mutagenicity:</b>	No known significant effect or hazards
<b>Carcinogenicity:</b>	This product contains less than 0.1% free formaldehyde and may be capable of emitting formaldehyde at levels in excess of OSHA's action level under some conditions of use and storage. Formaldehyde is a potential cancer hazard.
<b>Reproductive Toxicity:</b>	No known significant effect or hazards.
<b>STOT-Single Exposure:</b>	No known significant effect or hazards.
<b>STOT-Repeat Exposure:</b>	No known significant effect or hazards.
<b>Aspiration Hazard:</b>	No known significant effect or hazards.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in soil:</b>	no data available
<b>Other Adverse Effects:</b>	This substance is not identified as a PBT substance.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	Do not allow into drains or waterways. Waste and emptied containers should be disposed of in accordance with current state, local and federal regulations.
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### SECTION 14: TRANSPORT INFORMATION

<b>Transportation Information:</b>	Not regulated as a hazardous material or dangerous goods for transportation under DOT, IATA and IMDG
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### SECTION 15: REGULATORY INFORMATION

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## U.S. Federal Regulations

- TSCA:** All components of this product are included on the TSCA inventory in compliance with the toxic substances control act, 15 U.S.C. 2601 et. Seq.
- CERCLA:** This is not a regulated material under 40 CFR 117.302. Notification of spills is not required.
- SARA TITLE III:** This product contains no known chemicals contained on the list of toxic chemicals subject to the reporting requirements of Section 313 of the emergency planning & community right to know act of 1986 & OF 40 CFR372.
- 311/312 Hazard Categories:** None known.
- 313 Reportable Ingredients:** None known.
- State Regulations:** California proposition 65: warning: this product contains a chemical known to the state of California to cause cancer.

## International Regulations:

- Canada DSL:** All components of this product are included on the domestic substances list.
- EEC EINECS:** All components of this product are included on the European inventory of existing chemical substances (EINECS) in compliance with council directive 67/548/EEC and its amendments.

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## SECTION 16: OTHER INFORMATION

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### NFPA Hazard Classification

**Health:** 1                      **Flammability:** 1                      **Reactivity:** 0                      **Other:**

### HMIS Hazard Classification

**Health:** 1                      **Flammability:** 1                      **Reactivity:** 0                      **Protection:**

**Legend:**                      *OSHA - Occupational Safety and Health Administration*  
   *TSCA - Toxic Substance Control Act*  
   *CERCLA - Comprehensive Environmental Response Compensation , and Liability Act*  
   *SARA - Superfund Amendments and Reauthorization Act*  
   *EEC EINECS - European Inventory of Existing Commercial Chemical Substances*

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**Disclaimer:** The information provided in this safety data sheet is accurate to the best of our knowledge at the date of its publication. It is the responsibility of the user to ensure that their employees are aware of the content of this SDS, and also to ensure that any additional local ordinances are satisfied. The information contained in this SDS is provided in accordance with the current legal requirement and should not be considered as a guarantee of the product's properties or performance.