



## Material Safety Data Sheet

Revision Date: 27-Mar-2014

Revision Number: 4

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** BM COLOR PREVIEW COLORANT YELLOW (YW)  
**Product Code** K23307  
**Product Class** WATER THINNED PAINT  
**Color** Yellow

**Manufacturer**  
Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 855-724-6802  
www.benjaminmoore.com

**Emergency Telephone Number(s)**  
CANUTEC: 613-996-6666

### 2. COMPOSITION INFORMATION ON COMPONENTS

#### Hazardous Components

| Chemical Name   | CAS-No     | Weight % (max) |
|---|------------|----------------|
| Ethylene glycol                                       | 107-21-1   | 15 - 40%       |
| Talc  | 14807-96-6 | 10 - 30%       |
| Barium sulfate  | 7727-43-7  | 3 - 7%         |
| Distillates, petroleum, hydrotreated light naphthenic | 64742-53-6 | 0.1 - 0.25%    |

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

#### **WARNING**

Vapors may be irritating to eyes, nose, throat, and lungs. May cause skin irritation and/or dermatitis. Harmful by inhalation, in contact with skin and if swallowed.

**Appearance** liquid

**Odor** Glycol

#### Potential Health Effects

|                                     |   |
|-------------------------------------|---|
| <b>Principal Routes of Exposure</b> | Eye contact, skin contact and inhalation.   |
| <b>Acute Effects</b>                |   |
| <b>Eyes</b>                         | Contact with eyes may cause irritation.   |
| <b>Skin</b>                         | May cause skin irritation and/or dermatitis. May be absorbed through the skin in harmful amounts.   |
| <b>Inhalation</b>                   | High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects. |
| <b>Ingestion</b>                    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. Contains ethylene glycol which may cause birth defects.                                     |
| <b>Chronic Effects</b>              | May cause liver damage. May cause kidney damage.  |

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** Liver disorders. Kidney disorders.

**HMIS**      **Health:** 2\*      **Flammability:** 0      **Reactivity:** 0      **PPE:** -

**HMIS Legend**

0 - Minimal Hazard

1 - Slight Hazard

2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

\* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

#### 4. FIRST AID MEASURES

|                           |  |
|---------------------------|--|
| <b>General Advice</b>     | If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.  |
| <b>Eye Contact</b>        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.   |
| <b>Skin Contact</b>       | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician.                                     |
| <b>Inhalation</b>         | Move to fresh air. If symptoms persist, call a physician.  |
| <b>Ingestion</b>          | If swallowed. Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |
| <b>Notes To Physician</b> | Treat symptomatically  |

## 5. FIRE-FIGHTING MEASURES

|  |  |                        |                       |                                |
|--|--|------------------------|-----------------------|--------------------------------|
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |                        |                       |                                |
| <b>Protective Equipment And Precautions For Firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |                        |                       |                                |
| <b>Specific Hazards Arising From The Chemical</b>            | Closed containers may rupture if exposed to fire or extreme heat.  |                        |                       |                                |
| <b>Sensitivity To Mechanical Impact</b>                      | No   |                        |                       |                                |
| <b>Sensitivity To Static Discharge</b>                       | No   |                        |                       |                                |
| <b>Flash Point Data</b>                                      |  |                        |                       |                                |
| <b>Flash Point (°F)</b>                                      | Not applicable   |                        |                       |                                |
| <b>Flash Point (°C)</b>                                      | Not applicable   |                        |                       |                                |
| <b>Flash Point Method</b>                                    | Not applicable   |                        |                       |                                |
| <b>Flammability Limits In Air</b>                            |  |                        |                       |                                |
| <b>Upper Explosion Limit</b>                                 | Not applicable   |                        |                       |                                |
| <b>Lower Explosion Limit</b>                                 | Not applicable   |                        |                       |                                |
| <b>NFPA</b>  | <b>Health: 2</b>   | <b>Flammability: 0</b> | <b>Instability: 0</b> | <b>Special: Not Applicable</b> |

### NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.                           |
| <b>Environmental Precautions</b> | Prevent further leakage or spillage if safe to do so.  |
| <b>Methods For Clean-Up</b>      | Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.. |
| <b>Other Information</b>         | None known   |

## 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment. |
|-----------------|--|

**Storage** Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

#### Hazardous Components

| Chemical Name   | ACGIH                           | Alberta                         | British Columbia   | Ontario  | Quebec  |
|---|---------------------------------|---------------------------------|--|--|---|
| Ethylene glycol                                       | 100 mg/m <sup>3</sup> - Ceiling | 100 mg/m <sup>3</sup> - Ceiling | 10 mg/m <sup>3</sup> - TWA<br>20 mg/m <sup>3</sup> - STEL<br>100 mg/m <sup>3</sup> - Ceiling<br>50 ppm - Ceiling | 100 mg/m <sup>3</sup> - CEV  | 127 mg/m <sup>3</sup> - Ceiling<br>50 ppm - Ceiling |
| Talc  | 2 mg/m <sup>3</sup> - TWA       | 2 mg/m <sup>3</sup> - TWA       | 2 mg/m <sup>3</sup> - TWA<br>particulate matter containing no asbestos and less than 1% crystalline silica       | 2 mg/m <sup>3</sup> - TWAEV containing no asbestos and less than 1% crystalline silica | 3 mg/m <sup>3</sup> - TWAEV                         |
| Barium sulfate  | 10 mg/m <sup>3</sup> - TWA      | 10 mg/m <sup>3</sup> - TWA      | 3 mg/m <sup>3</sup> - TWA  | 10 mg/m <sup>3</sup> - TWAEV   | 5 ppm - TWAEV                                       |
| Distillates, petroleum, hydrotreated light naphthenic | N/E                             | N/E                             | N/E  | N/E  | N/E   |

#### Legend

ACGIH - American Conference of Governmental Industrial Hygienists

Alberta - Alberta Occupational Exposure Limits

British Columbia - British Columbia Occupational Exposure Limits

Ontario - Ontario Occupational Exposure Limits

Quebec - Quebec Occupational Exposure Limits

N/E - Not established

### Engineering Measures

Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin Protection** Protective gloves and impervious clothing

**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment..

### Hygiene Measures

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

liquid

### Odor

Glycol

### Density (lbs/gal)

10.6 - 11.3

### Specific Gravity

1.27 - 1.35

### pH

Not available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                |
|-----------------------------------|----------------|
| <b>Viscosity (centistokes)</b>    | Not available  |
| <b>Evaporation Rate</b>           | Not available  |
| <b>Vapor Pressure</b>             | Not available  |
| <b>Vapor Density</b>              | Not available  |
| <b>Wt. % Solids</b>               | 50 - 60        |
| <b>Vol. % Solids</b>              | 40 - 50        |
| <b>Wt. % Volatiles</b>            | 40 - 50        |
| <b>Vol. % Volatiles</b>           | 50 - 60        |
| <b>VOC Regulatory Limit (g/L)</b> | Not applicable |
| <b>Boiling Point (°F)</b>         | 212            |
| <b>Boiling Point (°C)</b>         | 100            |
| <b>Freezing Point (°F)</b>        | 32             |
| <b>Freezing Point (°C)</b>        | 0              |
| <b>Flash Point (°F)</b>           | Not applicable |
| <b>Flash Point (°C)</b>           | Not applicable |
| <b>Flash Point Method</b>         | Not applicable |
| <b>Upper Explosion Limit</b>      | Not available  |
| <b>Lower Explosion Limit</b>      | Not available  |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Chemical Stability</b>                 | Stable under normal conditions.          |
| <b>Conditions To Avoid</b>                | Prevent from freezing                    |
| <b>Incompatible Materials</b>             | No materials to be especially mentioned. |
| <b>Hazardous Decomposition Products</b>   | None under normal use.                   |
| <b>Possibility Of Hazardous Reactions</b> | Hazardous polymerisation will not occur. |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product

No information available

#### Component

##### Ethylene glycol

LD50 Oral: 4700 mg/kg (Rat)

LD50 Dermal: 9530 µg/L (Rabbit)

##### Barium sulfate

LD50 Oral: > 5,000 g/kg (Rat) vendor data

### Chronic Toxicity

#### Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

| Chemical Name   | ACGIH | IARC                    | NTP | OSHA<br>Carcinogen |
|---|-------|-------------------------|-----|--------------------|
| Distillates, petroleum, hydrotreated light naphthenic |       | 1 - Human<br>Carcinogen |     |                    |

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity Effects

#### Product

##### Acute Toxicity to Fish

No information available

##### Acute Toxicity to Aquatic Invertebrates

No information available

##### Acute Toxicity to Aquatic Plants

No information available

#### Component

## 12. ECOLOGICAL INFORMATION

### Acute Toxicity to Fish

#### Ethylene glycol

LC50: 8050 mg/L (Fathead Minnow - 96 hr.)

### Acute Toxicity to Aquatic Invertebrates

No information available

### Acute Toxicity to Aquatic Plants

No information available

## 13. DISPOSAL CONSIDERATIONS

### **Waste Disposal Method**

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options..

## 14. TRANSPORT INFORMATION

### **TDG**

Not regulated

### **ICAO / IATA**

Not regulated

### **IMDG / IMO**

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### **United States TSCA**

Yes - All components are listed or exempt.

#### **Canada DSL**

Yes - All components are listed or exempt.

### National Pollutant Release Inventory (NPRI)

#### NPRI Parts 1- 4

This product contains the following Parts 1-4 NPRI chemicals:

| <b>Chemical Name</b> | <b>CAS-No</b> | <b>Weight % (max)</b> |
|----------------------|---------------|-----------------------|
| Ethylene glycol      | 107-21-1      | 15 - 40%              |

*This product may contain trace amounts of (other) NPRI Parts 1-4 reportable chemicals. Contact the preparer for further information.*

## 15. REGULATORY INFORMATION

### NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

*This product may contain trace amounts of (other) NPRI Part 5 reportable chemicals. Contact the preparer for further information.*

### WHMIS Regulatory Status

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

### WHMIS Hazard Class

D2A Very toxic materials  
D2B Toxic materials



## 16. OTHER INFORMATION

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ <http://www.hc-sc.gc.ca/hl-vs/iyh-vsv/prod/paint-peinture-eng.php>.

### Prepared By

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27-Mar-2014

### Revision Summary

No information available

### Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

K23307  
**End of MSDS**

