

# SAFETY DATA SHEET

Revision Date: 11-Sep-2015

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** ben WATERBORNE EXTERIOR SOFT GLOSS FINISH WHITE  
**Product Code** 54301  
**Product Class** WATER THINNED PAINT  
**Color** White  
**Recommended use** Paint  
**Restrictions on use** No information available

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

**Emergency Telephone Number(s)**  
 CHEMTREC (US): 800-424-9300  
 CHEMTREC (outside US): (703)-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                       |             |
|-----------------------|-------------|
| Carcinogenicity       | Category 2  |
| Reproductive toxicity | Category 1B |

### Label elements

#### Danger

#### Hazard statements

Suspected of causing cancer  
 May damage fertility or the unborn child



**Appearance** liquid

**Odor** little or no odor

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

If exposed or concerned get medical attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other information**

No information available

**3. COMPOSITION INFORMATION ON COMPONENTS**

| Chemical Name                              | CAS-No     | Weight % (max) |
|--|------------|----------------|
| Titanium dioxide                           | 13463-67-7 | 25             |
| Silica, amorphous                          | 7631-86-9  | 5              |
| Kaolin                                     | 1332-58-7  | 5              |
| Zinc oxide                                 | 1314-13-2  | 1              |
| 1-Methyl-2-pyrrolidinone                   | 872-50-4   | 0.5            |
| Sodium C14-C16 olefin sulfonate            | 68439-57-6 | 0.5            |
| Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl- | 330-54-1   | 0.5            |

**4. FIRST AID MEASURES**

|  |   |
|--|---|
| <b>General Advice</b>                  | No hazards which require special first aid measures.  |
| <b>Eye Contact</b>                     | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.          |
| <b>Skin Contact</b>                    | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. |
| <b>Inhalation</b>                      | Move to fresh air. If symptoms persist, call a physician.                                       |
| <b>Ingestion</b>                       | Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.  |
| <b>Most Important Symptoms/Effects</b> | None known.   |
| <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>                                      |  |
| Flash Point (°F)   | Not applicable   |
| Flash Point (°C)   | Not applicable   |
| Flash Point Method   | Not applicable   |
| <b>Flammability Limits In Air</b>                            |  |
| Lower Explosion Limit  | Not applicable   |
| Upper Explosion Limit  | Not applicable   |

**NFPA**    **Health:** 1    **Flammability:** 0    **Instability:** 0    **Special:** Not Applicable

### 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>Other Information</b>         | Prevent further leakage or spillage if safe to do so.   |
| <b>Environmental Precautions</b> | See Section 12 for additional Ecological Information.   |
| <b>Methods For Clean-Up</b>      | Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. |

## 7. HANDLING AND STORAGE

**Handling** 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 container tightly closed. Keep out of the reach of children.

**Incompatible Materials** No information available

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits**

| <b>Chemical Name</b>                       | <b>ACGIH</b>   | <b>OSHA</b>  |
|--|--|--|
| Titanium dioxide                           | 10 mg/m <sup>3</sup> - TWA                               | 15 mg/m <sup>3</sup> - TWA   |
| Silica, amorphous                          | N/E  | - (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA<br>20 mppcf - TWA |
| Kaolin                                     | 2 mg/m <sup>3</sup> - TWA                                | 15 mg/m <sup>3</sup> - TWA total<br>5 mg/m <sup>3</sup> - TWA        |
| Zinc oxide                                 | 2 mg/m <sup>3</sup> - TWA<br>10 mg/m <sup>3</sup> - STEL | 5 mg/m <sup>3</sup> - TWA<br>15 mg/m <sup>3</sup> - TWA              |
| Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl- | 10 mg/m <sup>3</sup> - TWA                               | N/E  |

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits  
 OSHA - Occupational Safety & Health Administration 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**

|                          |                          |
|--------------------------|--------------------------|
| <b>Appearance</b>        | liquid                   |
| <b>Odor</b>              | little or no odor        |
| <b>Odor Threshold</b>    | No information available |
| <b>Density (lbs/gal)</b> | 10.45 - 10.55            |
| <b>Specific Gravity</b>  | 1.25 - 1.26              |
| <b>pH</b>                | No information available |
| <b>Viscosity (cps)</b>   | No information available |
| <b>Solubility</b>        | No information available |
| <b>Water Solubility</b>  | No information available |
| <b>Evaporation Rate</b>  | No information available |
| <b>Vapor Pressure</b>    | No information available |
| <b>Vapor Density</b>     | No information available |
| <b>Wt. % Solids</b>      | 40 - 50                  |
| <b>Vol. % Solids</b>     | 30 - 40                  |
| <b>Wt. % Volatiles</b>   | 50 - 60                  |

|   |                          |
|---|--------------------------|
| Vol. % Volatiles                        | 60 - 70                  |
| VOC Regulatory Limit (g/L)              | < 50                     |
| Boiling Point (°F)                      | 212                      |
| Boiling Point (°C)                      | 100                      |
| Freezing Point (°F)                     | 32                       |
| Freezing Point (°C)                     | 0                        |
| Flash Point (°F)                        | Not applicable           |
| Flash Point (°C)                        | Not applicable           |
| Flash Point Method                      | Not applicable           |
| Flammability (solid, gas)               | Not applicable           |
| Upper Explosion Limit                   | Not applicable           |
| Lower Explosion Limit                   | Not applicable           |
| Autoignition Temperature (°F)           | No information available |
| Autoignition Temperature (°C)           | No information available |
| Decomposition Temperature (°F)          | No information available |
| Decomposition Temperature (°C)          | No information available |
| Partition Coefficient (n-octanol/water) | No information available |

## 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | Not Applicable                           |
| Chemical Stability                 | Stable under normal conditions.          |
| Conditions To Avoid                | Prevent from freezing.                   |
| Incompatible Materials             | No materials to be especially mentioned. |
| Hazardous Decomposition Products   | None under normal use.                   |
| Possibility Of Hazardous Reactions | None under normal conditions of use.     |

## 11. TOXICOLOGICAL INFORMATION

### Product Information

### Information on likely routes of exposure

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

### Acute Toxicity

**Product Information** No information available

### Information on toxicological effects

**Symptoms** No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Eye contact** May cause slight irritation.

**Skin contact** Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.

**Inhalation** May cause irritation of respiratory tract.

|                                 |   |
|---------------------------------|---|
| <b>Ingestion</b>                | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| <b>Sensitization:</b>           | No information available  |
| <b>Neurological Effects</b>     | No information available.   |
| <b>Mutagenic Effects</b>        | No information available.   |
| <b>Reproductive Effects</b>     | No information available.   |
| <b>Developmental Effects</b>    | No information available.   |
| <b>Target Organ Effects</b>     | No information available.   |
| <b>STOT - single exposure</b>   | No information available.   |
| <b>STOT - repeated exposure</b> | No information available.   |
| <b>Other adverse effects</b>    | No information available.   |
| <b>Aspiration Hazard</b>        | No information available  |

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

|                        |              |
|------------------------|--------------|
| <b>ATEmix (oral)</b>   | 41173 mg/kg  |
| <b>ATEmix (dermal)</b> | 113393 mg/kg |

**Component**

**Acute Toxicity**

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)  
 LD50 Dermal: > 10000 mg/m<sup>3</sup> (Rabbit)  
 LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

Silica, amorphous

LD50 Oral: > 5000 mg/kg (Rat)  
 LD50 Dermal: 2,000 mg/kg (Rabbit)  
 LC50 Inhalation (Dust): > 2 mg/L

Kaolin

LD50 Oral: > 5000 mg/kg (Rat)

Zinc oxide

LD50 Oral: 5000 mg/kg (Rat)  
 LC50 Inhalation (Dust): > 5700 mg/m<sup>3</sup> (Rat, 4 hr.)

1-Methyl-2-pyrrolidinone

LD50 Oral: 3598 mg/kg (Rat)  
 LD50 Dermal: 2000 mg/kg (Rabbit)

Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-

LD50 Oral: 1017 mg/kg (Rat)  
 LD50 Dermal: > 5000 mg/kg (Rat)

**Carcinogenicity**

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

| <b>Chemical Name</b> | <b>IARC</b>                    | <b>NTP</b> | <b>OSHA Carcinogen</b> |
|----------------------|--------------------------------|------------|------------------------|
| Titanium dioxide     | 2B - Possible Human Carcinogen |            | Listed                 |

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

**Legend**

IARC - International Agency for Research on Cancer  
NTP - National Toxicity Program  
OSHA - Occupational Safety & Health Administration

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

**Product Information**

**Acute Toxicity to Fish**

No information available

**Acute Toxicity to Aquatic Invertebrates**

No information available

**Acute Toxicity to Aquatic Plants**

No information available

**Persistence / Degradability**

No information available.

**Bioaccumulation / Accumulation**

No information available.

**Mobility in Environmental Media**

No information available.

**Ozone**

No information available

**Component**

**Acute Toxicity to Fish**

Titanium dioxide

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-

LC50: 3.5 mg/L (Rainbow Trout - 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**

**DOT** Not regulated

**ICAO / IATA** Not regulated

**IMDG / IMO** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA: United States** Yes - All components are listed or exempt.

**DSL: Canada** Yes - All components are listed or exempt.

**Federal Regulations**

**SARA 311/312 hazardous categorization**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

*None*

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

*None*

**State Regulations**

**California Proposition 65**

*This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.*

**State Right-to-Know**

| Chemical Name     | Massachusetts | New Jersey | Pennsylvania |
|-------------------|---------------|------------|--------------|
| Titanium dioxide  | X             | X          | X            |
| Silica, amorphous | X             | X          | X            |
| Kaolin            | X             | X          | X            |
| Zinc oxide        | X             | X          | X            |





**END OF SAFETY DATA SHEET**