



## SAFETY DATA SHEET

Revision Date: 21-Nov-2018

Revision Number: 5

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** ULTRA SPEC 500 INTERIOR GLOSS FINISH BASE 2  
**Product Code** S5402X  
**Alternate Product Code** S5402X  
**Product Class** WATER THINNED PAINT  
**Color** All  
**Recommended use** Paint  
**Restrictions on use** No information available

**Manufacturer**  
Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 1-866-708-9180  
www.benjaminmoore.com

**Emergency Telephone**  
CHEMTREC (US): 800-424-9300  
CHEMTREC (outside US): (703)-527-3887  
CANUTEC: 613-996-6666 (CND)

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

#### Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

**Appearance** liquid

**Odor** little or no odor

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other information

No information available

**Other hazards**

May cause allergic skin reaction

**3. COMPOSITION INFORMATION ON COMPONENTS**

| Chemical name                 | CAS No.    | Weight-%    |
|-------------------------------|------------|-------------|
| Titanium dioxide              | 13463-67-7 | 7 - 13%     |
| Kaolin                        | 1332-58-7  | 1 - 5%      |
| Limestone                     | 1317-65-3  | 1 - 5%      |
| Hexanedioic acid, dihydrazide | 1071-93-8  | 0.1 - 0.25% |

**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 while 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> | May cause allergic skin reaction.   |
| <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   |
| Method   | Not applicable   |

**Flammability Limits In Air**

Lower flammability limit: Not applicable  
Upper flammability 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**

- Personal Precautions**    Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
- Other Information**    Prevent further leakage or spillage if safe to do so.
- Environmental precautions**    See Section 12 for additional Ecological Information.
- Methods for Cleaning Up**    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**

| Chemical name    | OSHA PEL  | ACGIH TLV                  | Alberta                    | British Columbia  | Ontario                    | Quebec                            |
|------------------|---|----------------------------|----------------------------|---|----------------------------|-----------------------------------|
| Titanium dioxide | 15 mg/m <sup>3</sup> - TWA                              | 10 mg/m <sup>3</sup> - TWA | 10 mg/m <sup>3</sup> - TWA | 10 mg/m <sup>3</sup> - TWA<br>3 mg/m <sup>3</sup> - TWA | 10 mg/m <sup>3</sup> - TWA | 10 mg/m <sup>3</sup> - TWA<br>EVA |
| Kaolin           | 15 mg/m <sup>3</sup> - TWA<br>5 mg/m <sup>3</sup> - TWA | 2 mg/m <sup>3</sup> - TWA  | 2 mg/m <sup>3</sup> - TWA  | 2 mg/m <sup>3</sup> - TWA                               | 2 mg/m <sup>3</sup> - TWA  | 5 mg/m <sup>3</sup> - TWA<br>EVA  |

|           |   |     |                            |  |     |                                 |
|-----------|---|-----|----------------------------|--|-----|---------------------------------|
| Limestone | 15 mg/m <sup>3</sup> - TWA<br>5 mg/m <sup>3</sup> - TWA | N/E | 10 mg/m <sup>3</sup> - TWA | 10 mg/m <sup>3</sup> - TWA<br>3 mg/m <sup>3</sup> - TWA<br>20 mg/m <sup>3</sup> - STEL | N/E | 10 mg/m <sup>3</sup> -<br>TWAEV |
|-----------|---|-----|----------------------------|--|-----|---------------------------------|

**Legend**

OSHA - Occupational Safety & Health Administration Exposure Limits  
 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**

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>Appearance</b>                    | liquid                   |
| <b>Odor</b>                          | little or no odor        |
| <b>Odor Threshold</b>                | No information available |
| <b>Density (lbs/gal)</b>             | 9.7 - 10.1               |
| <b>Specific Gravity</b>              | 1.16 - 1.21              |
| <b>pH</b>                            | No information available |
| <b>Viscosity (cps)</b>               | No information available |
| <b>Solubility(ies)</b>               | No information available |
| <b>Water solubility</b>              | No information available |
| <b>Evaporation Rate</b>              | No information available |
| <b>Vapor pressure @20 °C (kPa)</b>   | No information available |
| <b>Vapor density</b>                 | No information available |
| <b>Wt. % Solids</b>                  | 45 - 55                  |
| <b>Vol. % Solids</b>                 | 35 - 45                  |
| <b>Wt. % Volatiles</b>               | 45 - 55                  |
| <b>Vol. % Volatiles</b>              | 55 - 65                  |
| <b>VOC Regulatory Limit (g/L)</b>    | 0                        |
| <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>Method</b>                        | Not applicable           |
| <b>Flammability (solid, gas)</b>     | Not applicable           |
| <b>Upper flammability limit:</b>     | Not applicable           |
| <b>Lower flammability limit:</b>     | Not applicable           |
| <b>Autoignition Temperature (°F)</b> | No information available |

|                                |                          |
|--------------------------------|--------------------------|
| Autoignition Temperature (°C)  | No information available |
| Decomposition Temperature (°F) | No information available |
| Decomposition Temperature (°C) | No information available |
| Partition coefficient          | 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

### Symptoms related to the physical, chemical and toxicological characteristics

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.   |
| Ingestion                | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                              |
| Sensitization            | May cause an allergic skin reaction.   |
| Neurological Effects     | No information available.  |
| Mutagenic Effects        | No information available.  |
| Reproductive Effects     | No information available.  |
| Developmental Effects    | No information available.  |
| Target organ effects     | No information available.  |
| STOT - single exposure   | No information available.  |
| STOT - repeated exposure | No information available.  |
| Other adverse effects    | No information available.  |
| Aspiration Hazard        | No information available.  |

### Numerical measures of toxicity

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

ATEmix (oral) 89047 mg/kg

**Component Information**

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

Kaolin

LD50 Oral: > 5000 mg/kg (Rat)

**Chronic Toxicity**

**Carcinogenicity**

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

| Chemical name    | IARC                           | NTP | OSHA   |
|------------------|--------------------------------|-----|--------|
| 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**

No information available.

**Mobility in Environmental Media**

No information available.

**Ozone**

No information available

**Component Information**

**Acute Toxicity to Fish**

Titanium dioxide

LC50: > 1000 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**

DOT Not regulated

TDG 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.

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## Federal Regulations

### SARA 311/312 hazardous categorization

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| 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

## US State Regulations

### California Proposition 65

 **WARNING:** Cancer and Reproductive Harm– [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

### State Right-to-Know

| Chemical name    | Massachusetts | New Jersey | Pennsylvania |
|------------------|---------------|------------|--------------|
| Titanium dioxide | X             | X          | X            |
| Kaolin           | X             | X          | X            |
| Limestone        | X             | X          | X            |

#### **Legend**

X - Listed

## National Pollutant Release Inventory (NPRI)

### NPRI Parts 1- 4

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

None

### NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

None

## WHMIS Regulatory Status



