1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ULTRA SPEC EXTERIOR SATIN FINISH BASE 2
Product Code: K4482X
Alternate Product Code: K4482X
Product Class: Water thinned paint
Color: All
Recommended use: Paint
Restrictions on use: No information available

Manufactured For:
Benjamin Moore & Co., Limited
8775 Keele Street
Concord ON L4K 2N1
Phone: 1-800-361-5898
www.benjaminmoore.com

2. HAZARDS IDENTIFICATION

Classification
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
### 3. COMPOSITION INFORMATION ON COMPONENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Hazardous Material Information Review Act registry number (HMIRA registry #)</th>
<th>Date HMIRA filed and date exemption granted (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nepheline syenite</td>
<td>37244-96-5</td>
<td>5 - 10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>5 - 10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>1 - 5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol</td>
<td>25265-77-4</td>
<td>1 - 5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium C14-C16 olefin sulfonate</td>
<td>68439-57-6</td>
<td>0.25 - 0.5%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**General Advice**
No hazards which require special first aid measures.

**Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation**
Move to fresh air. If symptoms persist, call a physician.

**Ingestion**
Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

**Most Important Symptoms/Effects**
None known.

**Notes To Physician**
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Protective equipment and precautions for firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chemical

- Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity to mechanical impact

- No

Sensitivity to static discharge

- No

Flash Point Data

- 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.

### 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>10 mg/m³</td>
<td>N/E</td>
</tr>
<tr>
<td>Nepheline syenite</td>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³</td>
<td>10 mg/m³</td>
<td>10 mg/m³</td>
<td>10 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>TWA</td>
<td>TWA</td>
<td>TWA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 mg/m³</td>
<td></td>
<td></td>
<td>TWAEV</td>
<td></td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>TWA</td>
<td>TWA</td>
<td>TWA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 mg/m³</td>
<td></td>
<td></td>
<td>STEL</td>
<td></td>
</tr>
</tbody>
</table>

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
little or no odor

Odor Threshold
No information available

Density (lbs/gal)
10.0 - 10.4

Specific Gravity
1.19 - 1.25

pH
No information available

Viscosity (cps)
No information available

Solubility(ies)
No information available

Water solubility
No information available

Evaporation Rate
No information available

Vapor pressure
No information available

Vapor density
No information available

Wt. % Solids
45 - 55

Vol. % Solids
35 - 45

Wt. % Volatiles
45 - 55

Vol. % Volatiles
55 - 65

VOC Regulatory Limit (g/L)
< 50

Boiling Point (°F)
212

Boiling Point (°C)
100

Freezing point (°F)
32
### 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freezing Point (°C)</td>
<td>0</td>
</tr>
<tr>
<td>Flash point (°F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Method</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature (°F)</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition Temperature (°C)</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition Temperature (°F)</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
</tbody>
</table>

**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**
- No information available.

**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) | 60499 mg/kg |
| ATEmix (dermal) | 432169 mg/kg |
| ATEmix (inhalation-dust/mist) | 452.9 mg/L |

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol 25265-77-4</td>
<td>= 3200 mg/kg (Rat)</td>
<td>&gt; 15200 mg/kg (Rat)</td>
<td>&gt; 3.55 mg/L (Rat) 6 h</td>
</tr>
<tr>
<td>Sodium C14-C16 olefin sulfonate 68499-57-6</td>
<td>= 2310 mg/kg (Rat)</td>
<td>= 6300 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

Carcinogenicity

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
</tr>
</tbody>
</table>

• 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
There is no data for this product.

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

TDG
Not regulated

ICAO / IATA
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.

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

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. OTHER INFORMATION

HMIS -  
Health: 1  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.

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/ewh-smt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

Prepared By
Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
800-225-5554

Revision Date: 25-Jun-2019
Reason for revision Not available

Disclaimer
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End of Safety Data Sheet