



# SAFETY DATA SHEET

Revision Date: 02-May-2017

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** AURA WATERBORNE EXTERIOR SEMI-GLOSS FINISH BASE 1  
**Product Code** K6321X  
**Alternate Product Code** K6321X  
**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

### 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. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

Skin sensitization	Category 1
Reproductive toxicity	Category 1B

### Label elements

#### **Danger**

#### **Hazard statements**

May cause an allergic skin reaction  
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  
Avoid breathing dust/fume/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

**Precautionary Statements - Response**

If exposed or concerned get medical attention

**Skin**

If on skin wash with plenty of soap and water  
If skin irritation or rash occurs get medical attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

No information available

**Other hazards**

May cause allergic skin reaction

### 3. COMPOSITION INFORMATION ON COMPONENTS

Chemical Name	CAS-No	Weight % (max)
Titanium dioxide	13463-67-7	10 - 30%
Silica, amorphous	7631-86-9	1 - 5%
Zinc oxide	1314-13-2	0.5 - 1%
Hexanedioic acid, dihydrazide	1071-93-8	0.25 - 0.5%
Sodium C14-C16 olefin sulfonate	68439-57-6	0.25 - 0.5%
1-Methyl-2-pyrrolidinone	872-50-4	0.1 - 0.25%
2-N-octyl-4-Isothiazolin-3-One	26530-20-1	0.1 - 0.25%

### 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.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as 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
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
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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 Clean-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**

*No exposure limits have been established for this product.*

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Titanium dioxide	10 mg/m <sup>3</sup> - TWA	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> - TWA	10 mg/m <sup>3</sup> - TWAEV
Zinc oxide	2 mg/m <sup>3</sup> - TWA 10 mg/m <sup>3</sup> - STEL	2 mg/m <sup>3</sup> - TWA 10 mg/m <sup>3</sup> - STEL	2 mg/m <sup>3</sup> - TWA 10 mg/m <sup>3</sup> - STEL	2 mg/m <sup>3</sup> - TWA 10 mg/m <sup>3</sup> - STEL	10 mg/m <sup>3</sup> - TWAEV 5 mg/m <sup>3</sup> - TWAEV 10 mg/m <sup>3</sup> - STEV
1-Methyl-2-pyrrolidinone	N/E	N/E	N/E	400 mg/m <sup>3</sup> - TWA	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**

little or no odor

**Odor Threshold**

No information available

**Density (lbs/gal)**

10.85 - 10.95

**Specific Gravity**

1.30 - 1.32

pH	No information available
Viscosity (cps)	No information available
Solubility	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	30 - 40
Wt. % Volatiles	45 - 55
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**

<b>Eye contact</b>	May cause slight irritation
<b>Skin contact</b>	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Sensitization:</b>	May cause an allergic skin reaction.
<b>Neurological Effects</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Effects</b>	May damage fertility or the unborn child.
<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>	36125 mg/kg
<b>ATEmix (dermal)</b>	126071 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	449.3 mg/L

**Component**

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

Silica, amorphous

LD50 Oral: > 5000 mg/kg (Rat)

LD50 Dermal: 2,000 mg/kg (Rabbit)

LC50 Inhalation (Dust): > 2 mg/L

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)

2-N-octyl-4-Isothiazolin-3-One

LD50 Oral: 550 mg/kg (Rat)

LD50 Dermal: 690 mg/kg (Rabbit)

**Chronic Toxicity**

**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>
Titanium dioxide	2B - Possible Human Carcinogen	

• 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.)

#### **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

TSCA: United States	Yes - All components are listed or exempt.
DSL: Canada	No - Not all of the components are listed. One or more component is listed on NDSL.

### National Pollutant Release Inventory (NPRI)

#### NPRI Parts 1- 4

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

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>	<u>NPRI Parts 1- 4</u>
Zinc oxide	1314-13-2	0.5 - 1%	Listed
1-Methyl-2-pyrrolidinone	872-50-4	0.1 - 0.25%	Listed

#### 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-semt/contaminants/lead-plomb/asked\\_questions-questions\\_posees-eng.php](http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php).

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**Revision Date:** 02-May-2017  
**Reason For Revision** Not available

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**END OF SAFETY DATA SHEET**