

SAFETY DATA SHEET

Revision Date: 13-Aug-2015 Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name AURA GRAND ENTRANCE SATIN WHITE

Product Code 14701

Product Class WATER THINNED PAINT

Color White **Recommended use** Paint

Restrictions on useNo information available

ManufacturerEmergency Telephone Number(s)Benjamin Moore & Co.CHEMTREC (US): 800-424-9300

101 Paragon Drive Montvale, NJ 07645 Phone: 855-724-6802 www.benjaminmoore.com CHEMTREC (outside US): (703)-527-3887

2. HAZARDS IDENTIFICATION

Classification

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

Label elements

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

Appearance liquid Odor little or no odor

Hazards not otherwise classified (HNOC)

Avoid breathing vapors or mists

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
Polyalkylene glycol alkyl ether	-	5
Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	0.5

4. FIRST AID MEASURES

General Advice No hazards which require special first aid measures.

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

physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated

clothes and shoes.

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

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.

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Protective Equipment And Precautions For As in any fire, wear self-contained breathing apparatus

Firefighters

pressure-demand, MSHA/NIOSH (approved or equivalent)

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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 Flash Point Method Not applicable

Flammability Limits In Air

Not applicable **Lower Explosion Limit 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.

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 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

Chemical Name	ACGIH	OSHA
Titanium dioxide	10 mg/m³ - TWA	15 mg/m³ - TWA
Silica, amorphous	N/E	- (80)/(% SiO2) mg/m³ TWA 20 mppcf - TWA

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eve/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

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Odor little or no odor

Odor Threshold No information available

 Density (lbs/gal)
 10.8 - 10.9

 Specific Gravity
 1.29 - 1.30

pH No information available Viscosity (cps) No information available

Solubility
No information available
Water Solubility
No information available
Evaporation Rate
Vapor Pressure
Vapor Density
No information available
No information available
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

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)

Autoignition Temperature (°C)

Decomposition Temperature (°F)

Decomposition Temperature (°C)

No information available

10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability Stable under normal conditions.

Conditions To Avoid Prevent from freezing.

Incompatible MaterialsNo materials to be especially mentioned.

Hazardous Decomposition ProductsNone 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 InformationNo 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 Inhalation of vapors in high concentration may cause irritation of respiratory

system. Avoid breathing vapors or mists.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitization: No information available No information available. **Neurological Effects Mutagenic Effects** No information available. **Reproductive Effects** No information available. **Developmental Effects** No information available. **Target Organ Effects** No information available. No information available. STOT - single exposure 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) 35934 mg/kg ATEmix (dermal) 148693 mg/kg

Component

Acute Toxicity

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m3 (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 Polyalkylene glycol alkyl ether LD50 Oral: 2000 mg/kg (Rat)

LC50 Inhalation (Vapor): 2 mg/L (Rat, 4 hr.) Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-

LC50 Inhalation (Vapor): > 20 mg/L (Rat, 1 hr.)

Carcinogenicity

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

Chemical Name	IARC	NTP	OSHA Carcinogen
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	2B - Possible Human	Listed
Titanium dioxide	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.)

Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-

LC50: 42 mg/L (Carp (Cyprinus carpio) - 24 hr.)

Acute Toxicity to Aquatic Invertebrates

Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-

LC50: 91 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants

Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-

EC50: 82 mg/L (Algae (Selenastrum capricornutum) - 72 hrs.)

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.

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14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States DSL: CanadaYes - All components are listed or exempt.
No - Not all of the components are listed.

One or more component is listed on NDSL.

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

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

Legend

X - Listed

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 contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Product Stewardship Department Prepared By

> Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 855-724-6802

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Disclaimer

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END OF SAFETY DATA SHEET