

Revision Date: 15-Feb-2024 Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HP ALKYD URETHANE ENAMEL GLOSS - WHITE

Product Code HP2200-01
Alternate Product Code UA5801

Product Class SOLVENT THINNED PAINT

ColorWhiteRecommended usePaint

Restrictions on use No information available

Manufacturer Emergency Telephone

Benjamin Moore & Co. CHEMTREC: +1 703-741-5970 / 1-800-424-9300

101 Paragon Drive +1 703-527-3887 (outside US & Canada) Montvale, NJ 07645

# 2. HAZARDS IDENTIFICATION

#### Classification

Phone: 1-866-708-9180 www.benjaminmoore.com

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

Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1
Flammable liquids	Category 3

#### Label elements

## Danger

#### Hazard statements

May cause an allergic skin reaction

May cause genetic defects

May cause cancer

May damage fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor



Appearance liquid

Odor solvent

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## **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

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground and bond container and receiving equipment

Use only non-sparking tools

Take action to prevent static discharges

Keep cool

### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

#### Skin

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

#### Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

#### **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded

#### Other information

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Titanium dioxide	13463-67-7	20 - 25
Hydrotreated heavy naphtha, petroleum	64742-48-9	20 - 25
Distillates, petroleum, hydrotreated light	64742-47-8	5 - 10
Xylene	1330-20-7	1 - 5
Hexanoic acid, 2-ethyl-, zirconium salt	22464-99-9	0.1 - 0.5
Ethyl benzene	100-41-4	0.1 - 0.5
Methyl ethyl ketoxime	96-29-7	0.1 - 0.5

### 4. FIRST AID MEASURES

**General Advice** If symptoms persist, call a physician. Show this safety data sheet to the doctor in

attendance.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact

lenses and continue flushing for at least 15 minutes. Keep eye wide open while

rinsing. If symptoms persist, call a physician.

**Skin Contact** 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.

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

If not breathing, give artificial respiration. Call a physician immediately.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do not induce

vomiting without medical advice. Never give anything by mouth to an unconscious

person. Consult a physician.

**Protection Of First-Aiders**Use personal protective equipment.

Most Important Symptoms/Effects May cause allergic skin reaction.

Notes To Physician Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, dry powder or water. Use extinguishing measures

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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)

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and full protective gear.

**Specific Hazards Arising From The Chemical** 

Combustible material. Closed containers may rupture if exposed to fire or extreme heat. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and

vapors.

No

Sensitivity to mechanical impact

Sensitivity to static discharge Yes

Flash Point Data

Flash point (°F) 113
Flash Point (°C) 45
Method PMCC

Flammability Limits In Air

Lower flammability limit:

Upper flammability limit:

No data available

No data available

**NFPA** 

Health hazards 2
Flammability 2
Stability 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 Use personal protective equipment. Remove all sources of ignition.

Other Information Prevent further leakage or spillage if safe to do so. Do not allow material to

contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be

advised if significant spillages cannot be contained.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly

labeled containers. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling** Use only in area provided with appropriate exhaust ventilation. Do not breathe

vapors or spray mist. Wear personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from

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open flames, hot surfaces and sources of ignition.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away

from heat. Keep away from open flames, hot surfaces and sources of ignition.

Keep in properly labeled containers. Keep out of the reach of children.

**DANGER** - Rags, steel wool or waste soaked with this product may

spontaneously catch fire if improperly discarded. Immediately after use, place rags,

steel wool or waste in a sealed water-filled metal container.

**Incompatible Materials** Incompatible with strong acids and bases and strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL
Titanium dioxide	TWA: 0.2 mg/m³ nanoscale respirable particulate matter TWA: 2.5 mg/m³ finescale respirable particulate matter	15 mg/m³ - TWA
Xylene	TWA: 20 ppm	100 ppm - TWA 435 mg/m³ - TWA
Hexanoic acid, 2-ethyl-, zirconium salt	STEL: 10 mg/m³ Zr As Zirconium compounds [RR-00624-6] STEL: 10 mg/m³ Zr TWA: 5 mg/m³ Zr As Zirconium compounds [RR-00624-6] TWA: 5 mg/m³ Zr	5 mg/m³ - TWA
Ethyl benzene	Ototoxicant - potential to cause hearing disorders TWA: 20 ppm	100 ppm - TWA 435 mg/m³ - TWA

#### 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 If splashes are likely to occur, wear: Tightly fitting

safety goggles

**Skin Protection** Long sleeved clothing. Protective gloves.

Respiratory Protection In operations where exposure limits are exceeded, use a NIOSH approved

respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a

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NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Measures** Avoid contact with skin, eyes and clothing. Remove and wash contaminated

clothing before re-use. Wash thoroughly after handling. When using do not eat,

drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid
Odor solvent

Odor Threshold No information available

**Density (lbs./gal)** 9.2 - 9.6 **Specific Gravity** 1.10 - 1.15

pHNo information availableViscosity (cps)No information availableSolubility(ies)No information availableWater solubilityNo information availableEvaporation RateNo information available

Vapor pressure @20 °C (kPa)No information availableRelative vapor densityNo information available

 Wt. % Solids
 60 - 70

 Vol. % Solids
 50 - 60

 Wt. % Volatiles
 30 - 40

 Vol. % Volatiles
 40 - 50

 VOC Regulatory Limit (g/L)
 < 400</td>

 Boiling Point (°F)
 279

 Boiling Point (°C)
 137

Freezing point (°F)

No information available
Freezing Point (°C)

No information available

Flash point (°F)

Flash Point (°C)

Method

113

45

PMCC

Flammability (solid, gas)
Upper flammability limit:
No data available
No data available
No data available

Autoignition Temperature (°F)No information availableAutoignition Temperature (°C)No information availableDecomposition Temperature (°F)No information availableDecomposition Temperature (°C)No information availablePartition coefficientNo information available

10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability Stable under normal conditions. Hazardous polymerisation

does not occur.

Conditions to avoid Keep away from open flames, hot surfaces, static

electricity and sources of ignition.

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Incompatible Materials Incompatible with strong acids and bases and strong

oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating

gases and vapors.

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** Repeated or prolonged exposure to organic solvents may lead to permanent brain

and nervous system damage. Intentional misuse by deliberately concentrating and

inhaling vapors may be harmful or fatal.

#### 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

**Eve contact** Contact with eyes may cause irritation.

**Skin contact** May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the

skin and produce dermatitis.

**Ingestion** Ingestion may cause irritation to mucous membranes. Small amounts of this

product aspirated into the respiratory system during ingestion or vomiting may

cause mild to severe pulmonary injury, possibly progressing to death.

**Inhalation** High vapor / aerosol concentrations are irritating to the eyes, nose, throat and

lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and

other central nervous system effects.

**Sensitization** May cause an allergic skin reaction.

Neurological Effects

No information available.

Mutagenic Effects

No information available.

**Reproductive Effects** May damage fertility or the unborn child.

**Developmental Effects**No information available. **Target organ effects**No information available.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure, Causes

damage to organs through prolonged or repeated exposure if inhaled.

STOT - single exposure May cause disorder and damage to the, Respiratory system, Central nervous

system.

Other adverse effects No information available.

**Aspiration Hazard** May be harmful if swallowed and enters airways. Small amounts of this product

aspirated into the respiratory system during ingestion or vomiting may cause mild

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to severe pulmonary injury, possibly progressing to death.

### Numerical measures of toxicity

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

ATEmix (oral) 12258 mg/kg ATEmix (inhalation-dust/mist) 111.1 mg/l ATEmix (inhalation-vapor) 1851.3 mg/l

### **Component Information**

Caution - This mixture contains a substance not yet fully tested

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Hydrotreated heavy naphtha, petroleum 64742-48-9	> 6000 mg/kg (Rat)	> 3160 mg/kg ( Rabbit )	> 8500 mg/m³(Rat)4 h
Distillates, petroleum, hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat)4 h
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L (Rat) 4 h
Ethyl benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L (Rat) 4 h
Methyl ethyl ketoxime 96-29-7	= 930 mg/kg (Rat)	1000 - 1800 mg/kg (Rabbit)	> 4.83 mg/L (Rat) 4 h

### **Chronic Toxicity**

#### Carcinogenicity

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

Chemical name	IARC	NTP	OSHA
	2B - Possible Human		Listed
Titanium dioxide	Carcinogen		
	2B - Possible Human		Listed
Ethyl benzene	Carcinogen		

<sup>•</sup> Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes:

#### Legend

IARC - International Agency for Research on Cancer

<sup>&</sup>quot;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."

NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

### 12. ECOLOGICAL INFORMATION

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## **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

Not applicable

## **Component Information**

## **Acute Toxicity to Fish**

Titanium dioxide

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

**Xylene** 

LC50: 13.5 mg/L (Rainbow Trout - 96 hr.)

Ethyl benzene

LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

Methyl ethyl ketoxime

LC50: 48 mg/L (Bluegill sunfish - 96 hr.)

#### **Acute Toxicity to Aquatic Invertebrates**

Ethyl benzene

EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

Methyl ethyl ketoxime

EC50: 750 mg/L (Daphnia magna - 48 hr.)

### **Acute Toxicity to Aquatic Plants**

Ethyl benzene

EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

### 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, and local regulations. Local

requirements may vary, consult your sanitation department or state-designated

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environmental protection agency for more disposal options.

Empty Container Warning Emptied containers may retain product residue. Follow label warnings even after

container is emptied. Residual vapors may explode on ignition.

### 14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Paint
Transport hazard class(es) 3
UN-No UN1263

Packing Group

**Description** UN1263, Paint, 3, III

In the US this material may be reclassified as a Combustible Liquid and is not regulated in containers of less than 119 gallons (450 liters) via surface transportation (refer to 49CFR173.120(b)(2) for further information).

ICAO / IATA Contact the preparer for further information.

**IMDG / IMO**Contact the preparer for further information.

## 15. REGULATORY INFORMATION

## **International Inventories**

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

Yes - All components are listed or exempt.

## Federal Regulations

## SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard Yes
Fire hazard Yes
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

Chemical name	CAS No.	Weight-%	CERCLA/SARA 313 (de minimis concentration)
Xylene	1330-20-7	1 - 5	1.0
Ethyl benzene	100-41-4	0.1 - 0.5	0.1

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

This product contains the following HAPs:

Chemical name	CAS No.	Weight-%	Hazardous Air Pollutant (HAP)
Xylene	1330-20-7	1 - 5	Listed
Ethyl benzene	100-41-4	0.1 - 0.5	Listed

## **US State Regulations**

### **California Proposition 65**

WARNING: This product can expose you to chemicals including Titanium dioxide, which are known to the State of California to cause cancer, and Toluene which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

# U.S. State Right-to-Know

#### Regulations

Chemical name	Massachusetts	New Jersey	Pennsylvania
Titanium dioxide	X	X	X
Xylene	X	X	X

#### Legend

X - Listed

## 16. OTHER INFORMATION

#### **HMIS**

Health hazards 2
Flammability 2
Reactivity: 0
Personal protection -

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- WHITE

## **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.

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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.

**Prepared By Product Stewardship Department** 

> Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 800-225-5554

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**Revision Date: Revision Summary** Not available

#### Disclaimer

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**End of Safety Data Sheet** 

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