

Revision Date: 23-Feb-2024 Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HP ALKYD URETHANE ENAMEL SATIN - CLEAR BASE

Product Code HP2220-9BFR

Alternate Product Code UF629B

Product Class SOLVENT 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/en-ca

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive

Montvale, NJ 07645 Phone: 1-866-708-9180

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

**Emergency Telephone** 

CHEMTREC: +1 703-741-5970 / 1-800-424-9300

+1 703-527-3887 (outside US & Canada)

CANUTEC: 613-996-6666 (Transport Emergency Only)

## 2. HAZARDS IDENTIFICATION

#### Classification

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

Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration hazard	Category 1
Flammable liquids	Category 3
Physical hazard not otherwise classified	Category 1

#### 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

Causes damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor

Risk of spontaneous combustion



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

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

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

Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

#### **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

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 cool

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

Dispose of contents/container to an approved waste disposal plant

Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

#### Other information

No information available

## 3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Nepheline syenite	37244-96-5	10 - 30%	-	-
Distillates, petroleum, hydrotreated light	64742-47-8	10 - 30%	-	-
Solvent naphtha, petroleum, medium aliphatic	64742-88-7	7 - 13%	-	-
Zinc oxide	1314-13-2	3 - 7%	-	-
Talc	14807-96-6	1 - 5%	-	-
Zinc phosphate	7779-90-0	1 - 5%	-	-
Magnesium carbonate	546-93-0	1 - 5%	-	-
Stoddard solvent	8052-41-3	1 - 5%	-	-
1H-imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-	95-38-5	0.5 - 1%	-	-
Ethyl benzene	100-41-4	0.1 - 0.25%	-	-
1,2,4-Trimethylbenzene	95-63-6	0.1 - 0.25%	-	-
Methyl ethyl ketoxime	96-29-7	0.1 - 0.25%	-	-
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	10605-21-7	0.1 - 0.25%	-	-

Confidential Business Information note

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

### 4. FIRST AID MEASURES

**General Advice** 

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

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**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

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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. For severe burns, immediate medical attention is required.

**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

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 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.

Sensitivity to mechanical impact No

Sensitivity to static discharge Yes

Flash Point Data

Flash point (°F) 105
Flash Point (°C) 41
Method PMCC

Flammability Limits In Air

Lower flammability limit: No data available

Upper flammability limit: 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

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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 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

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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.

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**Incompatible Materials** 

Incompatible with strong acids and bases and strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Limits**

Chemical name	ACGIH TLV	Alberta	British Columbia	Ontario	Quebec
Nepheline syenite	-	-	-	10 mg/m <sup>3</sup> - TWA	-
Zinc oxide	STEL: 10 mg/m <sup>3</sup>	2 mg/m³ - TWA	2 mg/m³ - TWA	2 mg/m³ - TWA	10 mg/m <sup>3</sup> - TWAEV
	respirable particulate	10 mg/m <sup>3</sup> - STEL	10 mg/m <sup>3</sup> - STEL	10 mg/m <sup>3</sup> - STEL	5 mg/m <sup>3</sup> - TWAEV
	matter	-			10 mg/m <sup>3</sup> - STEV
	TWA: 2 mg/m <sup>3</sup>				
	respirable particulate				
	matter				
	TWA: 0.5 mg/m <sup>3</sup> Ba				
	As Barium soluble				
	compounds				
	[RR-00049-7]				
Talc	TWA: 2 mg/m <sup>3</sup>	2 mg/m³ - TWA	2 mg/m³ - TWA	2 mg/m³ - TWA	2 mg/m³ - TWAEV
	particulate matter				
	containing no asbestos				
	and <1% crystalline				
	silica, respirable				
	particulate matter				
Magnesium carbonate	-	-	10 mg/m³ - TWA	-	10 mg/m <sup>3</sup> - TWAEV
			3 mg/m³ - TWA		
Stoddard solvent	TWA: 100 ppm	100 ppm - TWA	290 mg/m <sup>3</sup> - TWA	525 mg/m³ - TWA	100 ppm - TWAEV
		572 mg/m <sup>3</sup> - TWA	580 mg/m <sup>3</sup> - STEL		525 mg/m <sup>3</sup> - TWAEV
Ethyl benzene	Ototoxicant - potential	100 ppm - TWA	20 ppm - TWA	20 ppm - TWA	100 ppm - TWAEV
	to cause hearing	434 mg/m³ - TWA			434 mg/m <sup>3</sup> - TWAEV
	disorders	125 ppm - STEL			125 ppm - STEV
	TWA: 20 ppm	543 mg/m <sup>3</sup> - STEL			543 mg/m <sup>3</sup> - STEV
1,2,4-Trimethylbenzene	TWA: 10 ppm	-	-	-	-

**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 If splashes are likely to occur, wear: Tightly fitting safety goggles

Skin Protection

**Respiratory Protection** 

**Hygiene Measures** 

Long sleeved clothing. Protective gloves.

Use only with adequate ventilation. 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 NIOSH approved respirator specified for paint spray or organic vapors.

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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)
 9.9 - 10.3

 Specific Gravity
 1.18 - 1.24

pH No information available
Viscosity (cps) No information available
Solubility(ies) No information available

Water solubility

Evaporation Rate

Vapor pressure @20 °C (kPa)

No information available
No information available
No information available
No information available

Relative vapor density

No information available

 Wt. % Solids
 65 - 75

 Vol. % Solids
 50 - 60

 Wt. % Volatiles
 25 - 35

 Vol. % Volatiles
 40 - 50

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

 Boiling Point (°F)
 279

Boiling Point (°C)

Freezing point (°F)

No information available

No information available

Flash point (°F) 105
Flash Point (°C) 41
Method PMCC

Flammability (solid, gas)
Upper flammability limit:
Not applicable
Not applicable
Not applicable

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.

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

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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

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

Skin contact May cause skin irritation and/or dermatitis. May cause

sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible

persons.

**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.

**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.

Sensitization May cause an allergic skin reaction.

Neurological Effects
Mutagenic Effects
Reproductive Effects
Developmental Effects
Target organ effects
STOT - single exposure

STOT - repeated exposure

Other adverse effects Aspiration Hazard No information available.

Suspected of causing genetic defects. May damage fertility or the unborn child.

No information available. No information available.

May cause disorder and damage to the. Central nervous

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system. Respiratory system.

Causes damage to organs through prolonged or repeated

exposure if inhaled.

No information available.

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 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) 7911 mg/kg

#### **Component Information**

Caution - This mixture contains a substance not yet fully tested

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates, petroleum, hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat)4 h
Solvent naphtha, petroleum, medium aliphatic 64742-88-7	> 25 mL/kg (Rat)	> 3000 mg/kg (Rabbit)	-
Zinc oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-
Zinc phosphate 7779-90-0	> 5000 mg/kg (Rat)	-	-
Ethyl benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat)4 h
1,2,4-Trimethylbenzene 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg ( Rabbit )	= 18 g/m³ (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
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	> 5050 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

#### **Chronic Toxicity**

#### Carcinogenicity

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

Chemical name	IARC	NTP
	2B - Possible Human Carcinogen	
Ethyl benzene		

### Legend

IARC - International Agency for Research on Cancer 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**

Ethyl benzene

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

Methyl ethyl ketoxime

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

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester

LC50: 1.5 mg/L (Rainbow Trout - 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.)

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester

LC50: 0.22 mg/L (water flea - 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, 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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**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

**TDG** 

Proper Shipping Name Paint Transport hazard class(es) 3

UN-No UN1263
Packing Group III

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

In Canada, Class 3 flammable liquids may be reclassified as non-regulated for domestic ground transportation if they meet the requirements of TDG General Exemption SOR/2008-34.

ICAO / IATA Contact the preparer for further information.

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

#### 15. REGULATORY INFORMATION

#### **International Inventories**

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

Chemical name	CAS No.	Weight-%	NPRI Parts 1- 4
Ethyl benzene	100-41-4	0.1 - 0.25%	Listed
1,2,4-Trimethylbenzene	95-63-6	0.1 - 0.25%	Listed

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#### **NPRI Part 5**

This product contains the following NPRI Part 5 Chemicals:

Chemical name	CAS No.	<u>Weight-%</u>	NPRI Part 5
Distillates, petroleum, hydrotreated light	64742-47-8	10 - 30%	Listed
Solvent naphtha, petroleum, medium	64742-88-7	7 - 13%	Listed
aliphatic			
Stoddard solvent	8052-41-3	1 - 5%	Listed
1,2,4-Trimethylbenzene	95-63-6	0.1 - 0.25%	Listed

# **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 hazards 2\*
Flammability 2
Reactivity: 0
Personal protection -

#### **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 at

http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked\_questions-questions\_posees-eng.php.

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Prepared By Product Stewardship Department

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645

800-225-5554

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#### **Disclaimer**

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

**End of Safety Data Sheet**