

SAFETY DATA SHEET

Revision Date: 16-Jun-2017

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

SUPER SPEC HP URETHANE ALKYD GLOSS ENAMEL SAFETY

Product Name

Product Code Alternate Product Code Product Class Color Recommended use Restrictions on use

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

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 855-724-6802 www.benjaminmoore.com

www.benjaminmoore.com

BLACK KP2282 KP2282 SOLVENT THINNED PAINT Black Polyurethane paint No information available

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
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3
Physical hazard not otherwise classified	Category 1

Label elements

Danger

Hazard statements

May cause an allergic skin reaction Suspected of causing cancer 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

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/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/sparks/open flames/hot surfaces, no smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting/equipment Use only non-sparking tools Take precautionary measures against static discharge 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 attention **Skin** If skin irritation or rash occurs get medical attention Wash contaminated clothing before reuse If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water **Ingestion** If swallowed immediately call a POISON CENTER or 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 % (max)
Hydrotreated heavy naphtha, petroleum	64742-48-9	10 - 30%
Distillates, petroleum, hydrotreated light	64742-47-8	5 - 10%
Kaolin	1332-58-7	3 - 7%
Stoddard solvent	8052-41-3	1 - 5%
Carbon black	1333-86-4	1 - 5%
Xylene	1330-20-7	1 - 5%
Iron oxide	1309-37-1	1 - 5%
Magnesium carbonate	546-93-0	1 - 5%
Ethyl benzene	100-41-4	0.25 - 0.5%
Methyl ethyl ketoxime	96-29-7	0.1 - 0.25%
Cobalt bis(2-ethylhexanoate)	136-52-7	0.1 - 0.25%
Titanium dioxide	13463-67-7	0.1 - 0.25%

4. FIRST AI	D 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 that are appropriate to local circumstances and the
Destactive Faultment And Desseutions For	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) Flash Point (°C) Flash Point Method	113.0 45.0 PMCC
Flammability Limits In Air	
Lower Explosion Limit Upper Explosion Limit	Not available Not available
NFPA Health: 1 Flammability: 2	Instability: 0 Special: Not Applicable
NFPA Legend 0 - Not Hazardous 1 - Slightly 2 - Moderate 3 - High 4 - Severe	

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

Other Information

Use personal protective equipment. Remove all sources of ignition.

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 Clean-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 of children. DANGER - Rags, steel wool or waste soaked with this product may apartmacuchy acts first if improperly
	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

No exposure limits have been established for this product.

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Distillates, petroleum, hydrotreated light	N/E	N/E	200 mg/m ³ - TWA Skin absorption can contribute to overall exposure.	N/E	N/E
Kaolin	2 mg/m ³ - TWA	2 mg/m ³ - TWA	2 mg/m ³ - TWA	2 mg/m ³ - TWA	5 mg/m ³ - TWAEV
Stoddard solvent	100 ppm - TWA	100 ppm - TWA 572 mg/m³ - TWA	290 mg/m ³ - TWA 580 mg/m ³ - STEL	525 mg/m³ - TWA	100 ppm - TWAEV 525 mg/m ³ - TWAEV
Carbon black	3 mg/m ³ - TWA	3.5 mg/m ³ - TWA	3 mg/m ³ - TWA	3 mg/m³ - TWA	3.5 mg/m ³ - TWAEV
Xylene	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 434 mg/m ³ - TWA 150 ppm - STEL 651 mg/m ³ - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWAEV 434 mg/m ³ - TWAEV 150 ppm - STEV 651 mg/m ³ - STEV
Iron oxide	5 mg/m³ - TWA	5 mg/m³ - TWA	10 mg/m ³ - TWA 3 mg/m ³ - TWA 5 mg/m ³ - TWA 10 mg/m ³ - STEL	5 mg/m³ - TWA	5 mg/m ³ - TWAEV 10 mg/m ³ - TWAEV

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Magnesium carbonate	N/E	N/E	10 mg/m³ - TWA 3 mg/m³ - TWA	N/E	10 mg/m ³ - TWAEV
Ethyl benzene	20 ppm - TWA	100 ppm - TWA 434 mg/m ³ - TWA 125 ppm - STEL 543 mg/m ³ - STEL	20 ppm - TWA	20 ppm - TWA	100 ppm - TWAEV 434 mg/m ³ - TWAEV 125 ppm - STEV 543 mg/m ³ - STEV
Titanium dioxide	10 mg/m³ - TWA	10 mg/m³ - TWA	10 mg/m³ - TWA 3 mg/m³ - TWA	10 mg/m³ - TWA	10 mg/m ³ - TWAEV

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

Personal Protective Equipment

Eye/Face Protection Skin Protection Respiratory Protection Ensure adequate ventilation, especially in confined areas.

Safety glasses with side-shields. Long sleeved clothing. Protective gloves.

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.

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 Odor **Odor Threshold** Density (lbs/gal) **Specific Gravity** pН Viscosity (cps) Solubility Water Solubility **Evaporation Rate** Vapor Pressure Vapor Density Wt. % Solids Vol. % Solids Wt. % Volatiles Vol. % Volatiles VOC Regulatory Limit (g/L) **Boiling Point (°F) Boiling Point (°C)** Freezing Point (°F) Freezing Point (°C)

liquid solvent No information available 8.0 - 8.4 0.95 - 1.01 No information available 55 - 65 45 - 55 35 - 45 45 - 55 < 400 279.0 137.0 No information available No information available

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113.0 45.0 PMCC Not applicable Not applicable No information available No information available No information available No information available No information available

10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Conditions To Avoid

Incompatible Materials

Hazardous Decomposition Products

Possibility Of Hazardous Reactions

Not Applicable

Stable under normal conditions. Hazardous polymerisation does not occur.

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

Incompatible with strong acids and bases and strong oxidizing agents.

Thermal decomposition can lead to release of irritating gases and vapors.

None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information Information on likely routes of exposure

Principal Routes of Exposure

Acute Toxicity Product Information Eye contact, skin contact and inhalation.

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.

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	Contact with eyes may cause irritation.
Skin contact	May cause skin irritation and/or dermatitis. Prolonged skin
Inhalation	contact may defat the skin and produce dermatitis. High vapor / aerosol concentrations are irritating to the

Ingestion	eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects. 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	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	May cause disorder and damage to the. Respiratory system.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
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 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)	13513 mg/kg
ATEmix (dermal)	7095 mg/kg
ATEmix (inhalation-dust/mist)	113.8 mg/L

Component

Hydrotreated heavy naphtha, petroleum LD50 Oral: > 5,000 mg/kg (Rat) vendor data LD50 Dermal: > 3,160 mg/kg (Rabbit) Distillates, petroleum, hydrotreated light LD50 Oral: > 5,000 mg/kg (Rat) LD50 Dermal: > 3,000 mg/kg (Rabbit) Kaolin
<u>Kaolin</u> LD50 Oral: > 5000 mg/kg (Rat) <u>Stoddard solvent</u> LD50 Oral: > 5,000 mg/kg (Rat) LD50 Dermal: > 3160 mg/kg (Rabbit) LC50 Inhalation (Vapor): > 6.1 mg/L (Rat)
Carbon black LD50 Oral: > 15400 mg/kg (Rat) LD50 Dermal: > 3000 mg/kg (Rabbit) Xylene LD50 Oral: 4300 mg/kg (Rat) LD50 Dermal: > 1700 mg/kg (Rabbit) LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.)

Iron oxide LD50 Oral: > 5000 mg/kg (Rat) vendor data Ethyl benzene LD50 Oral: mg/kg (Rat) LD50 Dermal: > mg/kg (Rabbit) LC50 Inhalation (Vapor): mg/m³ (Rat, 2 hr.) Methyl ethyl ketoxime LD50 Oral: 930 mg/kg (Rat) LD50 Dermal: 200 μL/kg (Rabbit) LC50 Inhalation (Vapor): > 4.8 mg/L (Rat) Titanium dioxide LD50 Oral: > 10000 mg/kg (Rat)

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	
Carbon black		
	2B - Possible Human Carcinogen	
Ethyl benzene		
	2B - Possible Human Carcinogen	
Cobalt bis(2-ethylhexanoate)		
	2B - Possible Human Carcinogen	
Titanium dioxide		

• 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."

• Cobalt and cobalt compounds are listed as possible human carcinogens by IARC (2B). However, there is inadequate evidence of the carcinogenicity of cobalt and cobalt compounds in humans.

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

<u>Xylene</u> LC50: 13.5 mg/L (Rainbow Trout - 96 hr.) <u>Ethyl benzene</u> LC50: 12.1 mg/L (Fathead Minnow - 96 hr.) <u>Methyl ethyl ketoxime</u> LC50: 48 mg/L (Bluegill sunfish - 96 hr.) <u>Titanium dioxide</u> LC50: > 1000 mg/L (Fathead Minnow - 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

ollow

label warnings even after container is emptied. Residual vapors may explode on ignition.

14. TRANSPORT INFORMATION

TDG

Proper Shipping Name Hazard Class UN-No Packing Group Description

TDG Comment

Paint 3 UN1263 III 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

IMDG / IMO

Contact the preparer for further information.

Contact the preparer for further information.

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:

Chemical Name	CAS-No	Weight % (max)	NPRI Parts 1-4
Xylene	1330-20-7	1 - 5%	Listed
Ethyl benzene	100-41-4	0.25 - 0.5%	Listed
Cobalt bis(2-ethylhexanoate)	136-52-7	0.1 - 0.25%	Listed

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

Chemical Name	CAS-No	<u>Weight % (max)</u>	NPRI Part 5
Hydrotreated heavy naphtha,	64742-48-9	10 - 30%	Listed
petroleum			
Distillates, petroleum, hydrotreated	64742-47-8	5 - 10%	Listed
light			
Stoddard solvent	8052-41-3	1 - 5%	Listed
Xylene	1330-20-7	1 - 5%	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.

HMIS -	Health:	1*	Flammabilit	t y: 2	Reactivity: 0	PPE: -
HMIS Legend	d					
0 - Minimal Ha	zard					
1 - Slight Haza	rd					
2 - Moderate H	lazard					
3 - Serious Haz	zard					
4 - Severe Haz	ard					
* - Chronic Ha	zard					
X - Consult you	ur superviso	or or S.O.I	P. for "Special"	handling inst	tructions.	
Note: The PPE r	0			Choose approp	riate PPE that will prote	ect employees from the hazards the material will

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.

Prepared By	Product Stewardship Department Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 855-724-6802
Revision Date:	16-Jun-2017
Reason For Revision	Not available

Disclaimer

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END OF SAFETY DATA SHEET