

## **SAFETY DATA SHEET**

Revision Date: 17-May-2019 Revision Number: 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ben, WATERBORNE EXTERIOR SOFT GLOSS FINISH BASE 4

Product Code K5434X
Alternate Product Code K5434X

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: 1-866-708-9180 www.benjaminmoore.com Emergency Telephone CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

## Classification

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

Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B

#### Label elements

#### Danger

#### Hazard statements

May cause genetic defects
Suspected of causing cancer

May damage fertility or the unborn child

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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

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

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

Store locked up

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

Dispose of contents/container to an approved waste disposal plant

#### 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	1 - 5%	-	-
Zinc oxide	1314-13-2	0.5 - 1%	-	-
1-Methyl-2-pyrrolidinone	872-50-4	0.5 - 1%	-	-
Sodium C14-C16 olefin sulfonate	68439-57-6	0.25 - 0.5%	-	-
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	10605-21-7	0.1 - 0.25%	-	-
Urea, N-(3,4-dichlorophenyl)-N,N-dim ethyl-	330-54-1	0.1 - 0.25%	-	-

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

## 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.

Skin Contact Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes.

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

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.

## 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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 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 applicableFlash Point (°C)Not applicableMethodNot applicable

Flammability Limits In Air

Lower flammability limit:Not applicableUpper flammability 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 Cleaning 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

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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 TLV	Alberta	British Columbia	Ontario	Quebec
Nepheline syenite	N/E	N/E	N/E	10 mg/m <sup>3</sup> - TWA	N/E
Zinc oxide	2 mg/m³ - TWA 10 mg/m³ - STEL	10 mg/m³ - TWAEV 5 mg/m³ - TWAEV 10 mg/m³ - STEV			
1-Methyl-2-pyrrolidinone	N/E	N/E	N/E	400 mg/m <sup>3</sup> - TWA	N/E
Urea, N-(3,4-dichlorophenyl)-N,N-di methyl-	10 mg/m³ - TWA	10 mg/m³ - 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 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.

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**Hygiene Measures** 

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid

**Odor** little or no odor

Odor Threshold No information available

 Density (lbs/gal)
 9.1 - 9.5

 Specific Gravity
 1.09 - 1.14

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

Water solubilityNo information availableEvaporation RateNo information availableVapor pressureNo information availableVapor densityNo information available

 Wt. % Solids
 30 - 40

 Vol. % Solids
 35 - 45

 Wt. % Volatiles
 60 - 70

 Vol. % Volatiles
 55 - 65

 VOC Regulatory Limit (g/L)
 < 50</td>

 Roiling Point (°F)
 212

 Boiling Point (°F)
 212

 Boiling Point (°C)
 100

 Freezing point (°F)
 32

 Freezing Point (°C)
 0

Flash point (°F)

Flash Point (°C)

Method

Flammability (solid, gas)

Upper flammability limit:

Lower flammability limit:

Not applicable

Not applicable

Not applicable

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 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

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 May cause slight irritation

**Skin contact** Substance may cause slight skin irritation. Prolonged or

repeated contact may dry skin and cause irritation.

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**Inhalation** May cause irritation of respiratory tract.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea.

SensitizationNo information available.Neurological EffectsNo information available.Mutagenic EffectsNo information available.

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

Developmental EffectsNo information available.Target organ effectsNo information available.STOT - single exposureNo information available.STOT - repeated exposureNo information available.Other adverse effectsNo information available.Aspiration HazardNo information available.

Numerical measures of toxicity

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

ATEmix (dermal) 483549 mg/kg ATEmix (inhalation-dust/mist) 351.1 mg/L

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-
1-Methyl-2-pyrrolidinone 872-50-4	= 3914 mg/kg (Rat)	= 8 g/kg (Rabbit)	= 3.1 mg/L (Rat) 4 h
Sodium C14-C16 olefin sulfonate 68439-57-6	= 2310 mg/kg (Rat)	= 6300 mg/kg ( Rabbit )	-
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	= 6400 mg/kg ( Rat )	= 2 g/kg(Rat)= 8500 mg/kg( Rabbit)	-
Urea,	= 4990 mg/kg (Rat) = 1017 mg/kg	> 2000 mg/kg (Rat) > 5 g/kg (Rat	> 0.265 mg/L (Rat)

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N-(3,4-dichlorophenyl)-N,N-dimethyl	(Rat)	)	
-			
330-54-1			

## Carcinogenicity

Limited evidence of a carcinogenic effect.

## 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**

No information available.

#### **Mobility in Environmental Media**

No information available.

#### **Ozone**

No information available

## **Component Information**

#### **Acute Toxicity to Fish**

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

LC50: 1.5 mg/L (Rainbow Trout - 96 hr.) <u>Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-</u> LC50: 3.5 mg/L (Rainbow Trout - 96 hr.)

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

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester LC50: 0.22 mg/L (water flea - 48 hr.)

#### **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.

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## 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.

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 nameCAS No.Weight-%NPRI Parts 1- 41-Methyl-2-pyrrolidinone872-50-40.5 - 1%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.

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## 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 guestions-guestions posees-eng.php.

Prepared By Product Stewardship Department

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Reason for revision Not available

#### **Disclaimer**

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**End of Safety Data Sheet**