



SAFETY DATA SHEET

Revision Date: 10-May-2019

Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ARBORCOAT EXTERIOR WATERBORNE SEMI TRANSPARENT DECK & SIDING STAIN CLEAR TINT BASE
Product Code F63806
Alternate Product Code F63806
Product Class STAIN
Color Clear
Recommended use STAIN
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)

Skin sensitization	Category 1A
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B

Label elements

Danger

Hazard statements

May cause an allergic skin reaction
May cause genetic defects
Suspected of causing cancer
May damage fertility or the unborn child



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
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Skin

IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

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)
Silica, amorphous	7631-86-9	1 - 5%	-	-
Zinc oxide	1314-13-2	0.25 - 0.5%	-	-
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydro	104810-48-2	0.25 - 0.5%	-	-

xyphenyl]-1-oxopropyl]-.omega.-hydroxy-				
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyloxy) ester	41556-26-7	0.25 - 0.5%	-	-
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-	330-54-1	0.25 - 0.5%	-	-
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxoprop	104810-47-1	0.25 - 0.5%	-	-
Sodium C14-C16 olefin sulfonate	68439-57-6	0.1 - 0.25%	-	-
Carbamic acid, butyl-, 3-iodo-2-propynyl ester	55406-53-6	0.1 - 0.25%	-	-
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	10605-21-7	0.1 - 0.25%	-	-
Cobalt neodecanoate	27253-31-2	0.1 - 0.25%	-	-

*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. 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.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
Most Important Symptoms/Effects	May cause allergic skin reaction.
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.
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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 applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability Limits In Air	
Lower flammability limit:	Not applicable
Upper 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 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
Zinc oxide	2 mg/m ³ - TWA 10 mg/m ³ - STEL	2 mg/m ³ - TWA 10 mg/m ³ - STEL	2 mg/m ³ - TWA 10 mg/m ³ - STEL	2 mg/m ³ - TWA 10 mg/m ³ - STEL	10 mg/m ³ - TWAEV 5 mg/m ³ - TWAEV 10 mg/m ³ - STEV
Urea, N-(3,4-dichlorophenyl)-N,N-di methyl-	10 mg/m ³ - TWA	10 mg/m ³ - TWA	10 mg/m ³ - TWA	10 mg/m ³ - 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

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.

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

Odor

little or no odor

Odor Threshold

No information available

Density (lbs/gal)

8.5 - 8.6

Specific Gravity

1.02 - 1.04

pH

No information available

Viscosity (cps)

No information available

Solubility(ies)

No information available

Water solubility

No information available

Evaporation Rate

No information available

Vapor pressure

No information available

Vapor density

No information available

Wt. % Solids

25 - 35

Vol. % Solids

20 - 30

Wt. % Volatiles

65 - 75

Vol. % Volatiles

70 - 80

VOC Regulatory Limit (g/L)	< 100
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
Method	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	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.
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Acute Toxicity

Product Information	No information available
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Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available
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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	May cause irritation of respiratory tract.

Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
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 - single exposure	No information available.
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)	368738 mg/kg
ATEmix (dermal)	147495 mg/kg
ATEmix (inhalation-dust/mist)	403 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silica, amorphous 7631-86-9	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Zinc oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidi nyl) ester 41556-26-7	= 2615 mg/kg (Rat)	-	-
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl - 330-54-1	= 4990 mg/kg (Rat) = 1017 mg/kg (Rat)	> 2000 mg/kg (Rat) > 5 g/kg (Rat) ()	> 0.265 mg/L (Rat)
Sodium C14-C16 olefin sulfonate 68439-57-6	= 2310 mg/kg (Rat)	= 6300 mg/kg (Rabbit)	-
Carbamic acid, butyl-, 3-iodo-2-propynyl ester 55406-53-6	= 1100 mg/kg (Rat)	-	-
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	= 6400 mg/kg (Rat)	= 2 g/kg (Rat) = 8500 mg/kg (Rabbit)	-
Cobalt neodecanoate 27253-31-2	-	2500	-

Component	Sensitization
Poly(oxy-1,2-ethanediy), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydro xyphenyl]-1-oxopropyl]-.omega.-hydroxy- 104810-48-2 (0.25 - 0.5%)	May cause sensitization by skin contact
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester 41556-26-7 (0.25 - 0.5%)	May cause sensitization by skin contact
Poly(oxy-1,2-ethanediy), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydro xyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,	May cause sensitization by skin contact

1-(dimethylethyl)-4-hydroxyphenyl]-1-oxoprop
104810-47-1 (0.25 - 0.5%)

Carcinogenicity

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

Chemical name	IARC	NTP
Cobalt neodecanoate	2B - Possible Human Carcinogen	Reasonably Anticipated Human Carcinogen

• 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

No information available.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information

Acute Toxicity to Fish

Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-
LC50: 3.5 mg/L (Rainbow Trout - 96 hr.)
Carbamic acid, butyl-, 3-iodo-2-propynyl ester
LC50: 230 µg/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

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.

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.
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:

None

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