

SAFETY DATA SHEET

Revision Date: 07-Jul-2017 Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ARBORCOAT TRANSLUCENT DECK & SIDING STAIN SILVER

GRAY

Stain

Product Code F62370
Alternate Product Code F62370
Product Class STAIN
Color Gray

Restrictions on use No information available

Manufactured For

Recommended use

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 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 1A
Carcinogenicity	Category 2

Label elements

Warning

Hazard statements

May cause an allergic skin reaction Suspected of causing cancer

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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
Avoid breathing dust/fume/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 attention **Skin**

If on skin wash with plenty of soap and water
If skin irritation or rash occurs get medical 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 % (max)
Silica, amorphous	7631-86-9	1 - 5%
Titanium dioxide	13463-67-7	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-dimeth ylethyl)-4-hydroxyphenyl]-1-oxopropyl]omegah ydroxy-	104810-48-2	0.25 - 0.5%
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) 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-dimeth ylethyl)-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-jodo-2-propynyl ester	55406-53-6	0.1 - 0.25%
Carbarnic acia, batyr, o load 2 propyriyi ester	99-99 99 9	0.1 0.2070
Cobalt neodecanoate	27253-31-2	0.1 - 0.25%

4. FIRST AID MEASURES

General Advice No hazards which require special first aid measures.

Eye ContactRinse 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.

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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 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.

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)

Flash Point (°C)

Flash Point Method

Not applicable
Not applicable

Flammability Limits In Air

Lower Explosion LimitNot applicableUpper Explosion LimitNot 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 Clean-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

No exposure limits have been established for this product.

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Titanium dioxide	10 mg/m³ - TWA	10 mg/m³ - TWA	10 mg/m ³ - TWA	10 mg/m³ - TWA	10 mg/m ³ - TWAEV
			3 mg/m³ - TWA		
Zinc oxide	2 mg/m³ - TWA	10 mg/m ³ - TWAEV			
	10 mg/m ³ - STEL	5 mg/m³ - TWAEV			
		-	_		10 mg/m ³ - STEV
Urea,	10 mg/m ³ - TWA	10 mg/m ³ - TWAEV			
N-(3,4-dichlorophenyl)-N,N-di	-	-			
methyl-					

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

Ensure adequate ventilation, especially in confined areas.

Engineering Measures

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

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thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

liquid **Appearance**

little or no odor Odor

No information available **Odor Threshold**

Density (lbs/gal) 85-89 1.01 - 1.07 **Specific Gravity**

Hq No information available

Viscosity (cps) No information available Solubility No information available Water Solubility No information available **Evaporation Rate** No information available

No information available **Vapor Pressure Vapor Density** No information available

Wt. % Solids 25 - 35 25 - 35 Vol. % Solids Wt. % Volatiles 65 - 75 Vol. % Volatiles 65 - 75VOC Regulatory Limit (g/L) < 100 212

Boiling Point (°F) Boiling Point (°C) 100 Freezing Point (°F) 32 Freezing Point (°C)

Flash Point (°F) Not applicable Flash Point (°C) Not applicable Not applicable **Flash Point Method** Flammability (solid, gas) Not applicable **Upper Explosion Limit** Not applicable **Lower Explosion 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 (n-octanol/water) 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

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 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.

Sensitization: May cause an allergic skin reaction.

No information available. **Neurological Effects Mutagenic Effects** No information available. **Reproductive Effects** No information available. **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 (inhalation-dust/mist) 434.5 mg/L

Component

Silica, amorphous

LD50 Oral: > 5000 mg/kg (Rat) LD50 Dermal: 2,000 mg/kg (Rabbit)

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LC50 Inhalation (Dust): > 2 mg/L

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

Zinc oxide

LD50 Oral: 5000 mg/kg (Rat)

LC50 Inhalation (Dust): > 5700 mg/m³ (Rat, 4 hr.)

Poly(oxy-1,2-ethanediyl),

.alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-

Sensitization: May cause sensitization by skin contact

Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester

Sensitization: May cause sensitization by skin contact

Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-

LD50 Oral: 1017 mg/kg (Rat) LD50 Dermal: > 5000 mg/kg (Rat)

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-oxopropyl]-.omega.-[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-oxopropyl]-.omega.-[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-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(3H-benzotriazol-2-yl)-5-(3H-benzotriazol-2-yl)-3-(3H-benzotriazol-2-yl)

ol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxoprop

Sensitization: May cause sensitization by skin contact

Cobalt neodecanoate

LD50 Oral: 3900 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	
Titanium dioxide		
	2B - Possible Human Carcinogen	
Cobalt neodecanoate	_	

- 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

Titanium dioxide

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.) <u>Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-</u> LC50: 3.5 mg/L (Rainbow Trout - 96 hr.) <u>Carbamic acid, butyl-, 3-iodo-2-propynyl ester</u> LC50: 230 µg/L (Bluegill sunfish - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

No information available

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

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15. REGULATORY INFORMATION

International Inventories

TSCA: United StatesYes - 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	<u>CAS-No</u>	Weight % (max)	NPRI Parts 1- 4
Zinc oxide	1314-13-2	0.25 - 0.5%	Listed
Cobalt neodecanoate	27253-31-2	0.1 - 0.25%	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.

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

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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

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Disclaimer

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END OF SAFETY DATA SHEET