1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ARBORCOAT WATERBORNE EXTERIOR STAIN
TRANSPARENT SILVER GRAY

Product Code: 63770
Alternate Product Code: 63770
Product Class: STAIN
Color: Gray
Recommended use: Stain
Restrictions on use: No information available

Manufacturer: Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
www.benjaminmoore.com

Emergency Telephone
CHEMTREC (US): 800-424-9300
CHEMTREC (outside US): (703)-527-3887

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Skin sensitization</th>
<th>Category 1A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Label elements

Warning

Hazard statements
May cause an allergic skin reaction
Suspected of causing cancer
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

Hazards not otherwise classified (HNOC)
Not applicable

Other information
No information available

3. COMPOSITION INFORMATION ON COMPONENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, amorphous</td>
<td>7631-86-9</td>
<td>5</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>5</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>0.5</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), [3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega.-hydrate</td>
<td>104810-48-2</td>
<td>0.5</td>
</tr>
<tr>
<td>Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester</td>
<td>41556-26-7</td>
<td>0.5</td>
</tr>
<tr>
<td>Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-</td>
<td>330-54-1</td>
<td>0.5</td>
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<tr>
<td>Poly(oxy-1,2-ethanediyl), [3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega.-hydrate</td>
<td>104810-47-1</td>
<td>0.5</td>
</tr>
<tr>
<td>Sodium C14-C16 olefin sulfonate</td>
<td>68439-57-6</td>
<td>0.5</td>
</tr>
<tr>
<td>Carbamic acid, butyl-, 3-iodo-2-propynyl ester</td>
<td>55406-53-6</td>
<td>0.5</td>
</tr>
<tr>
<td>Cobalt neodecanoate</td>
<td>27253-31-2</td>
<td>0.5</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>Method</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (°F)</td>
<td></td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td></td>
</tr>
</tbody>
</table>

Flammability Limits In Air

<table>
<thead>
<tr>
<th>Limit</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower flammability limit:</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td></td>
</tr>
</tbody>
</table>

NFPA

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
<tr>
<td>Special</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, amorphous</td>
<td>N/E</td>
<td>20 mppcf - TWA</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ - TWA</td>
<td>15 mg/m³ - TWA</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>2 mg/m³ - TWA</td>
<td>5 mg/m³ - TWA</td>
</tr>
<tr>
<td></td>
<td>10 mg/m³ - STEL</td>
<td>15 mg/m³ - TWA</td>
</tr>
<tr>
<td>Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-</td>
<td>10 mg/m³ - TWA</td>
<td>N/E</td>
</tr>
</tbody>
</table>

Legend
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>little or no odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
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</tr>
<tr>
<td>Density (lbs/gal)</td>
<td>8.5 - 8.9</td>
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<tr>
<td>Specific Gravity</td>
<td>1.02 - 1.07</td>
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<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity (cps)</td>
<td>No information available</td>
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<tr>
<td>Solubility(ies)</td>
<td>No information available</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
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<tr>
<td>Vapor pressure @20 °C (kPa)</td>
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<tr>
<td>Vapor density</td>
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<tr>
<td>Wt. % Solids</td>
<td>25 - 35</td>
</tr>
<tr>
<td>Vol. % Solids</td>
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<tr>
<td>Wt. % Volatiles</td>
<td>65 - 75</td>
</tr>
<tr>
<td>Vol. % Volatiles</td>
<td>65 - 75</td>
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<tr>
<td>VOC Regulatory Limit (g/L)</td>
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<tr>
<td>Boiling Point (°F)</td>
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<tr>
<td>Boiling Point (°C)</td>
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<td>Freezing Point (°F)</td>
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<td>Freezing Point (°C)</td>
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<tr>
<td>Flash Point (°F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Method</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature (°F)</td>
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</tr>
<tr>
<td>Autoignition Temperature (°C)</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition Temperature (°F)</td>
<td>No information available</td>
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<tr>
<td>Decomposition Temperature (°C)</td>
<td>No information available</td>
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<tr>
<td>Partition coefficient</td>
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</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Chemical Stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Prevent from freezing.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>No materials to be especially mentioned.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>None under normal use.</td>
</tr>
</tbody>
</table>
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.
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  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 (oral)  246274
ATEmix (dermal)  145007
ATEmix (inhalation-dust/mist)  434.5  mg/L

Component Information

Silica, amorphous
LD50 Oral: > 5000 mg/kg (Rat)
LD50 Dermal: 2,000 mg/kg (Rabbit)
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-oxoprop-
Sensitization May cause sensitization by skin contact
Cobalt neodecanoate
LD50 Oral: 3900 mg/kg (Rat)

**Carcinogenicity**

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
<td>Listed</td>
</tr>
<tr>
<td>Cobalt neodecanoate</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
<td>Listed</td>
</tr>
</tbody>
</table>

- 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**
No information available.

**Mobility in Environmental Media**
No information available.

**Ozone**
No information available

### Component Information

#### Acute Toxicity to Fish

Titanium dioxide  
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

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.)

#### 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, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

### 14. TRANSPORT INFORMATION

**DOT**  
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.
Federal Regulations

SARA 311/312 hazardous categorization

- Acute health hazard: Yes
- Chronic Health Hazard: Yes
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

None

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

None

US State Regulations

California Proposition 65

⚠️ WARNING: Cancer and Reproductive Harm – www.P65warnings.ca.gov

State Right-to-Know

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
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</thead>
<tbody>
<tr>
<td>Silica, amorphous</td>
<td>X</td>
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<td>X</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Carbamic acid, butyl-, 3-iodo-2-propynyl ester</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Legend

X - Listed

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 contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By
Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
800-225-5554

Revision Date: 20-Aug-2018
Revision Summary Not available

Disclaimer
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END OF SAFETY DATA SHEET