

## SAFETY DATA SHEET

Issuing Date 25-Feb-2016

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### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product Name** ARBORCOAT SEMI-SOLID DECK & SIDING STAIN WHITE  
**Product Code** 63901  
**Alternate Product Code** 63901  
**Product List** 63901 A4;WO-63901 TICKET 1804  
**Product Class** WATER THINNED PAINT  
**Color** White  
**Recommended use** Paint  
**Restrictions on use** No information available

**Manufacturer**  
 Benjamin Moore & Co.  
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### Section 2: HAZARDS IDENTIFICATION

#### 2.1.

REGULATION (EC) No 1272/2008

<b>Skin sensitization</b>	Category 1 - (H317)
<b>Chronic aquatic toxicity</b>	Category 2 - (H411)

#### 2.2.

**Product Identifier**

Contains 2-N-octyl-4-Isothiazolin-3-One



**Signal word**  
 Warning

**Hazard statements**

H317 - May cause an allergic skin reaction H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P273 - Avoid release to the environment

**2.3.****General Hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Not applicable

**3.2 Mixtures**

Chemical Name	EINECS/ELINCS No.	CAS-No	Weight % (max)	EU - GHS Substance Classification	REACH No.
Titanium dioxide	236-675-5	13463-67-7	5		Not available
Silica, amorphous	231-545-4	7631-86-9	5		Not available
Zinc oxide	215-222-5	1314-13-2	5	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Not available
Propylene glycol	200-338-0	57-55-6	5		Not available
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-	206-354-4	330-54-1	0.3	Acute Tox. 4 (H302) STOT RE 2 (H373) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Not available
2-N-octyl-4-Isothiazolin-3-One	247-761-7	26530-20-1	0.1	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Acute Tox. 3 (H331) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Not available
Carbamic acid, butyl-, 3-iodo-2-propynyl ester	259-627-5	55406-53-6	0.1	Acute Tox. 4 (H302) STOT RE 1 (H372) Acute Tox. 3 (H331) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Not available

Full text of H- and EUH-phrases: see section 16

**Section 4: FIRST AID MEASURES**

4.1.

Description of first aid measures

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Ingestion</b>	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.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
<b>Protection Of First-Aiders</b>	Use personal protective equipment.

4.2.

Most important symptoms and effects, both acute and delayed

<b>Most Important Symptoms/Effects</b>	May cause allergic skin reaction
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4.3.

Indication of any immediate medical attention and special treatment needed

<b>Notes To Physician</b>	Treat symptomatically.
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**Section 5: FIRE FIGHTING MEASURES**

5.1.

<b>Suitable Extinguishing Media</b>	Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.

5.2.

<b>Specific Hazards Arising From The Chemical</b>	Combustible material. Closed containers may rupture if exposed to fire or extreme heat. Keep product and empty
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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.

**5.3.**

**Protective Equipment And Precautions For Firefighters**

Wear self-contained breathing apparatus and protective suit.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1.**

**Personal Precautions**

Use personal protective equipment. Remove all sources of ignition.

**Other Information**

Observe all relevant local and international regulations.

**6.2.**

**Environmental Precautions**

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.

**6.3.**

**Methods For Containment**

Absorb with inert material and place in suitable container for disposal.

**Methods For Clean-Up**

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

**6.4.**

**Other information**

See Section 12 for additional information.

**Section 7: HANDLING AND STORAGE**

**7.1.**

**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.

**Hygiene Measures**

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

**7.2.**

**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.

**7.3.**

**Specific Uses**

Architectural coating. Apply as directed. Refer to product label / literature for specific instructions.

**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Other Guidelines**

No information available.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1.**

**Exposure limits**

Chemical Name	EU	United Kingdom	Belgium	Bulgaria	Cyprus	Greece
Titanium dioxide 13463-67-7		TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10.0 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Silica, amorphous 7631-86-9		TWA: 2.4 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup> STEL: 18 mg/m <sup>3</sup> STEL: 7.2 mg/m <sup>3</sup>				
Zinc oxide 1314-13-2			STEL: 10 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5.0 mg/m <sup>3</sup> STEL: 10.0 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Propylene glycol 57-55-6		TWA: 10 mg/m <sup>3</sup> TWA: 150 ppm TWA: 474 mg/m <sup>3</sup> STEL: 1422 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 450 ppm				

Chemical Name	Ireland	Latvia	Lithuania	Poland	Romania	Spain
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 10.0 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Silica, amorphous 7631-86-9	TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>				
Zinc oxide 1314-13-2	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Propylene glycol 57-55-6	TWA: 150 ppm TWA: 470 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 7 mg/m <sup>3</sup>	IPRV: 7 mg/m <sup>3</sup>			

**8.2.**

**Occupational exposure controls**

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

<b>Respiratory Protection</b>	Use only with adequate ventilation. In operations where exposure limits are exceeded, use an 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 an approved respirator specified for paint spray or organic vapors.
<b>Eye Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	Long sleeved clothing.
<b>Hand protection</b>	Impervious gloves.
<b>Hygiene Measures</b>	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.
<b>Environmental exposure controls</b>	Local authorities should be advised if significant spillages cannot be contained.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1.

<b>Appearance</b>	liquid
<b>Odor</b>	little or no odor
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>Density (g/L)</b>	1174 - 1246	None known
<b>Relative Density</b>	1.17 - 1.25	None known
<b>pH</b>	No information available	None known
<b>Viscosity (cps)</b>	No information available	None known
<b>Solubility</b>	No information available	None known
<b>Water Solubility</b>	No information available	None known
<b>Evaporation Rate</b>	No information available	None known
<b>Vapor Pressure</b>	No information available	None known
<b>Vapor Density</b>	No information available	None known
<b>Wt. % Solids</b>	45 - 55	None known
<b>Vol. % Solids</b>	30 - 40	None known
<b>Wt. % Volatiles</b>	45 - 55	None known
<b>Vol. % Volatiles</b>	60 - 70	None known
<b>VOC Regulatory Limit (g/L)</b>	< 100	None known
<b>Boiling Point (°C)</b>	100	None known
<b>Freezing Point (°C)</b>	0	None known
<b>Melting Point (°C)</b>	No information available	None known
<b>Flash Point (°C)</b>	260	PMCC
<b>Flammability (solid, gas)</b>	No information available	None known
<b>Upper Explosion Limit</b>	No information available	None known
<b>Lower Explosion Limit</b>	No information available	None known
<b>Autoignition Temperature (°C)</b>	No information available	None known
<b>Decomposition Temperature (°C)</b>	No information available	None known

Partition Coefficient (n-octanol/water)	No information available	None known
Explosive properties	No information available	None known
Oxidizing Properties	No information available	None known

## Section 10: STABILITY AND REACTIVITY

<u>10.1.</u> Reactivity	Not Applicable
<u>10.2.</u>  Chemical Stability	Stable under normal conditions. Hazardous polymerisation does not occur.
<u>10.3.</u>  Possibility Of Hazardous Reactions	None under normal conditions of use.
<u>10.4.</u> Conditions To Avoid	Keep away from open flames, hot surfaces, static electricity and sources of ignition.
<u>10.5.</u>  Incompatible Materials	Incompatible with strong acids and bases and strong oxidizing agents.
<u>10.6.</u>  Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.

## Section 11: TOXICOLOGICAL INFORMATION

<u>11.1.</u>  Acute Toxicity	
<u>Product Information</u>	
 Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	There is no data available for this product.

### Component

Chemical Name	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
Titanium dioxide	> 10000 mg/kg ( Rat )		
Silica, amorphous	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h
Zinc oxide	> 5000 mg/kg ( Rat )		
Propylene glycol	= 20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl	= 1017 mg/kg ( Rat )		> 0.265 mg/L ( Rat )

2-N-octyl-4-Isothiazolin-3-One	= 550 mg/kg ( Rat )	= 690 mg/kg ( Rabbit )	
Carbamic acid, butyl-, 3-iodo-2-propynyl ester	= 1100 mg/kg ( Rat )		

**Skin corrosion/irritation** No information available.

**Eye damage/irritation** No information available.

**Sensitization:** May cause an allergic skin reaction.

**Mutagenic Effects** No information available.

**Carcinogenic effects**

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

Chemical Name	EU Annex I Carcinogen Information	IARC
Titanium dioxide 13463-67-7		2B - Possible Human Carcinogen
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl- 330-54-1	Carc. 2	

• 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."

IARC - International Agency for Research on Cancer

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Neurological Effects** No information available.

**Target Organ Effects** No information available.

**Aspiration Hazard** No information available.

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

Chemical Name	Freshwater Algae Data	Freshwater Fish Species Data	Water Flea Data
Silica, amorphous	EC50 = 440 mg/L (72 h)	LC50 = 5000 mg/L Brachydanio rerio (96 h)	EC50 = 7600 mg/L (48 h)
Propylene glycol		LC50 = 51600 mg/L Oncorhynchus mykiss (96 h) LC50 41 - 47 mg/L Oncorhynchus mykiss (96 h) LC50 = 51400 mg/L Pimephales promelas (96 h) LC50 = 710 mg/L Pimephales promelas (96 h)	EC50 > 1000 mg/L (48 h)
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl	EC50 = 0.036 mg/L (72 h) EC50 < 0.1 mg/L (72 h)	LC50 13.4 - 15 mg/L Pimephales promelas (96 h) LC50 2.3 - 3.3 mg/L Lepomis macrochirus (96 h)	EC50 = 1.4 mg/L (48 h) EC50 6.3 - 13 mg/L (48 h)



		LC50 = 4 mg/L Lepomis macrochirus (96 h) LC50 1.5 - 2.54 mg/L Oncorhynchus mykiss (96 h) LC50 = 14.7 mg/L Oncorhynchus mykiss (96 h) LC50 = 2.9 mg/L Cyprinus carpio (96 h)	
Carbamic acid, butyl-, 3-iodo-2-propynyl ester		LC50 0.14 - 0.32 mg/L Lepomis macrochirus (96 h) LC50 0.049 - 0.079 mg/L Oncorhynchus mykiss (96 h) LC50 0.05 - 0.089 mg/L Oncorhynchus mykiss (96 h) LC50 0.18 - 0.23 mg/L Pimephales promelas (96 h)	

**12.2.**

**Persistence / Degradability** No information available.

**12.3.**

**Bioaccumulation / Accumulation** No information available.

Chemical Name	log Pow =
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-	2.82

**12.4.**

**Mobility in soil** No information available.

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

**12.5.**

**PBT and vPvB assessment** No information available.

**12.6.**

**Other adverse effects** No information available

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-	Group II Chemical		

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1.**

**Waste from Residues/Unused Products** Dispose of in accordance with the European Directives on waste and hazardous waste.

**Contaminated Packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**EWC waste disposal No** No information available

**Other Information**

Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORT INFORMATION**

<u>IMDG / IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated
<u>IATA</u>	Not regulated

**Section 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Occupational Illnesses (R-463-3, France)**

Chemical Name	French RG number
Silica, amorphous 7631-86-9	RG 25
Propylene glycol 57-55-6	RG 84

**European Union**

**International Inventories**

<b>AICS: Australia</b>	No - Not all of the components are listed.
<b>DSL: Canada</b>	Yes - All components are listed or exempt.
<b>EINECS: European Union</b>	No - Not all of the components are listed.
<b>ENCS : Japan</b>	No - Not all of the components are listed.
<b>IECS : China</b>	No - Not all of the components are listed.
<b>KECL: South Korea</b>	No - Not all of the components are listed.
<b>PICCS: Philippines</b>	No - Not all of the components are listed.
<b>TSCA: United States</b>	Yes - All components are listed or exempt.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**15.2.**

Chemical Safety Report

No information available

## Section 16: OTHER INFORMATION

### Full text of H-Statements referred to under section 3

H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H302 - Harmful if swallowed  
H373 - May cause damage to organs through prolonged or repeated exposure  
H351 - Suspected of causing cancer  
H311 - Toxic in contact with skin  
H314 - Causes severe skin burns and eye damage  
H331 - Toxic if inhaled  
H317 - May cause an allergic skin reaction  
H372 - Causes damage to organs through prolonged or repeated exposure  
H318 - Causes serious eye damage

**Classification procedure:** Expert judgment and weight of evidence determination

**Key literature references and sources for data** Data from internal and external sources

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### Disclaimer

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**End of Safety Data Sheet**