



SAFETY DATA SHEET

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

Product Name ARBORCAT WATERBORNE TRANSLUCENT STAIN - NATURAL
Manufacturer Code N62310
Product Class STAIN
Color All
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

Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R phrases mentioned in this Section, see Section 16

Symbol(s)

Xi - Irritant
N - Dangerous for the environment

R-code(s)

R43 - N;R51/53

2.2.

Product Identifier

Contains Zinc oxide, 1,2-Benzisothiazolin-3-one, 2-Methyl-4-isothiazolin-3-one, Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-



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)

P273 - Avoid release to the environment
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

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 Classification	EU - GHS Substance Classification	REACH No.
Silica, amorphous	231-545-4	7631-86-9	5	Unclassified		Not available
Zinc oxide	215-222-5	1314-13-2	0.5	N;R50-53	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Not available
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl-	206-354-4	330-54-1	0.5	Carc.Cat.3;R40 Xn;R22-48/22 N;R50-53	Acute Tox. 4 (H302) STOT RE 2 (H373) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Not available
1,2-Benzisothiazolin-3-one	220-120-9	2634-33-5	0.1	Xn; R22 Xi; R38-41 R43 N; R50	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	Not available

2-N-octyl-4-Isothiazolin-3-One	247-761-7	26530-20-1	0.1	T;R23/24 Xn;R22 C;R34 R43 N;R50-53	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
2-Methyl-4-isothiazolin-3-one	220-239-6	2682-20-4	0.005	C;R34 Xn;R22 T;R23 R43 N; R50	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400)	Not available

For the full text of the R phrases mentioned in this Section, see Section 16
Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1.

Description of 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 removing all contaminated clothes and 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.

4.2.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

Notes To Physician

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1.

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

5.2.

Specific Hazards Arising From The Chemical

Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity To Static Discharge

No.

Sensitivity To Mechanical Impact

No.

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

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information

Observe all relevant local and international regulations.

6.2.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

6.3.

Methods For Containment

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

Methods For Clean-Up

Clean contaminated surface thoroughly.

6.4.

Other information

See Section 12 for additional information.

Section 7: HANDLING AND STORAGE

7.1.

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.

Hygiene Measures Wash thoroughly after handling.

7.2.

Storage Keep container tightly closed. 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) Not Applicable.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1.

Exposure limits

Chemical Name	EU	United Kingdom	Belgium	Bulgaria	Cyprus	Greece
Silica, amorphous 7631-86-9		TWA: 2.4 mg/m ³ TWA: 6 mg/m ³ STEL: 18 mg/m ³ STEL: 7.2 mg/m ³				

Component	Ireland	Latvia	Lithuania	Poland	Romania	Spain
Silica, amorphous 7631-86-9 (1.35193)	TWA: 6 mg/m ³ TWA: 2.4 mg/m ³	TWA: 1 mg/m ³				

8.2.

Occupational exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment.

Eye Protection Safety glasses with side-shields.

Skin Protection Lightweight protective clothing.

Hand protection Impervious gloves.

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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1.

Appearance liquid
 Odor little or no odor
 Odor Threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
Density (g/L)	1006 - 1054	None known
Relative Density	1.00 - 1.055	None known
pH	No information available	None known
Viscosity (cps)	No information available	None known
Solubility	No information available	None known
Water Solubility	No information available	None known
Evaporation Rate	No information available	None known
Vapor Pressure	No information available	None known
Vapor Density	No information available	None known
Wt. % Solids	25 - 35	None known
Vol. % Solids	25 - 35	None known
Wt. % Volatiles	65 - 75	None known
Vol. % Volatiles	No information available	None known
VOC Regulatory Limit (g/L)	< 100	None known
Boiling Point (°C)	100	None known
Freezing Point (°C)	0	None known
Melting Point (°C)	No information available	None known
Flash Point (°C)	Not applicable	None known
Flammability (solid, gas)	No information available	None known
Upper Explosion Limit	No information available	None known
Lower Explosion Limit	No information available	None known
Autoignition Temperature (°C)	No information available	None known
Decomposition Temperature (°C)	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

10.1.

Reactivity Not Applicable.

10.2.

Chemical Stability Stable under normal conditions.

10.3.

Possibility Of Hazardous Reactions None under normal conditions of use.

10.4.

Conditions To Avoid Prevent from freezing.

10.5.

Incompatible Materials No materials to be especially mentioned.

10.6.

Hazardous Decomposition Products

None under normal use.

Section 11: TOXICOLOGICAL INFORMATION

11.1.

Product Information

Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Acute Toxicity

Component

Chemical Name	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
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)		
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl - 330-54-1	= 1017 mg/kg (Rat)		> 0.265 mg/L (Rat)
1,2-Benzisothiazolin-3-one 2634-33-5	= 1020 mg/kg (Rat)		
2-N-octyl-4-Isothiazolin-3-One 26530-20-1	= 550 mg/kg (Rat)	= 690 mg/kg (Rabbit)	

Skin corrosion/irritation	No information available.
Eye damage/irritation	No information available.
Sensitization:	May cause sensitization by skin contact.
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
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl- 330-54-1	Carc. 2	
Cobalt neodecanoate 27253-31-2		2B - Possible 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.

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.
Symptoms	No information available.
Aspiration Hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life with long lasting effects

Chemical Name	Freshwater Algae Data	Freshwater Fish Species Data	Water Flea Data
Silica, amorphous 7631-86-9	EC50 = 440 mg/L (72 h)	LC50 = 5000 mg/L Brachydanio rerio (96 h)	EC50 = 7600 mg/L (48 h)
Urea, N-(3,4-dichlorophenyl)-N,N-dimethyl - 330-54-1	EC50 < 0.1 mg/L (72 h) EC50 = 0.0007 mg/L (96 h) EC50 = 0.022 mg/L (96 h) EC50 = 0.036 mg/L (72 h)	LC50 1.5 - 2.54 mg/L Oncorhynchus mykiss (96 h) LC50 13.4 - 15 mg/L Pimephales promelas (96 h) LC50 2.3 - 3.3 mg/L Lepomis macrochirus (96 h) LC50 = 14.7 mg/L Oncorhynchus mykiss (96 h) LC50 = 2.9 mg/L Cyprinus carpio (96 h) LC50 = 4 mg/L Lepomis macrochirus (96 h)	EC50 6.3 - 13 mg/L (48 h) EC50 = 1.4 mg/L (48 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- 330-54-1	2.82
1,2-Benzisothiazolin-3-one 2634-33-5	1.3

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 should be taken for local recycling, recovery or waste disposal.

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

IMDG / IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

IATA 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
1,2-Benzisothiazolin-3-one 2634-33-5	RG 65

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

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

Legend

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

15.2.

Chemical Safety Report

No information available

Section 16: OTHER INFORMATION

Text of R phrases mentioned in Sections 2 & 3

R40 - Limited evidence of a carcinogenic effect
R22 - Harmful if swallowed
R43 - May cause sensitization by skin contact
R50 - Very toxic to aquatic organisms
R34 - Causes burns
R38 - Irritating to skin
R41 - Risk of serious damage to eyes
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed
R23/24 - Toxic by inhalation and in contact with skin

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

H315 - Causes skin irritation

H318 - Causes serious eye damage

H317 - May cause an allergic skin reaction

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H331 - Toxic if inhaled

H301 - Toxic if swallowed

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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Revision Summary

Change to Format

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End of Safety Data Sheet