



SAFETY DATA SHEET

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

Product Name COLOR SAMPLES - BASE 4
Product Code 1274X
Product Class WATER THINNED PAINT
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)
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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

R-code(s)
R43

2.2.

Product Identifier
Contains 1,2-Benzisothiazolin-3-one, 2-Methyl-4-isothiazolin-3-one, 5-Chloro-2-methyl-4-isothiazolin-3-one

**Signal word**

Warning

Hazard statements

H317 - May cause an allergic skin reaction

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

P280 - Wear 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.
Limestone	215-279-6	1317-65-3	15	Unclassified		Not available
Propylene glycol	200-338-0	57-55-6	5	Unclassified		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-Methyl-4-isothiazolin-3-one	220-239-6	2682-20-4	0.01	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

5-Chloro-2-methyl-4-isothiazolin-3-one	247-500-7	26172-55-4	0.005	T; R23/24/25 C; R34 R43 N; R50-53	Acute Tox. 3 (H301) 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
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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.
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Section 5: FIRE FIGHTING MEASURES

5.1.

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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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
Limestone 1317-65-3		TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 12 mg/m ³ STEL: 30 mg/m ³	TWA: 10 mg/m ³	TWA: 1.0 f/cm ³ TWA: 10.0 mg/m ³		TWA: 10 mg/m ³ TWA: 5 mg/m ³
Propylene glycol 57-55-6		TWA: 10 mg/m ³ TWA: 150 ppm TWA: 474 mg/m ³ STEL: 1422 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm				

Component	Ireland	Latvia	Lithuania	Poland	Romania	Spain
Limestone 1317-65-3 (10.3719)	TWA: 10 mg/m ³ TWA: 4 mg/m ³					
Propylene glycol 57-55-6 (2.2495)	TWA: 150 ppm TWA: 470 mg/m ³ TWA: 10 mg/m ³	TWA: 7 mg/m ³	IPRV: 7 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)	1126 - 1174	None known
Relative Density	-	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	40 - 50	None known
Vol. % Solids	30 - 40	None known
Wt. % Volatiles	50 - 60	None known
Vol. % Volatiles	60 - 70	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

<u>10.1.</u> Reactivity	Not Applicable.
<u>10.2.</u> Chemical Stability	Stable under normal conditions.
<u>10.3.</u> Possibility Of Hazardous Reactions	None under normal conditions of use.
<u>10.4.</u> Conditions To Avoid	Prevent from freezing.
<u>10.5.</u> Incompatible Materials	No materials to be especially mentioned.
<u>10.6.</u> 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:
Propylene glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	
1,2-Benzisothiazolin-3-one 2634-33-5	= 1020 mg/kg (Rat)		
5-Chloro-2-methyl-4-isothiazolin-3-one 26172-55-4	= 481 mg/kg (Rat)		= 1.23 mg/L (Rat) 4 h

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.

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

The environmental impact of this product has not been fully investigated

Chemical Name	Freshwater Algae Data	Freshwater Fish Species Data	Water Flea Data
Propylene glycol 57-55-6	EC50 = 19000 mg/L (96 h)	LC50 41 - 47 mL/L Oncorhynchus mykiss (96 h) LC50 = 51400 mg/L Pimephales promelas (96 h) LC50 = 51600 mg/L Oncorhynchus mykiss (96 h) LC50 = 710 mg/L Pimephales promelas (96 h)	EC50 > 1000 mg/L (48 h)
5-Chloro-2-methyl-4-isothiazolin-3-one 26172-55-4	EC50 0.11 - 0.16 mg/L (72 h)	LC50 = 1.6 mg/L Oncorhynchus mykiss (96 h)	EC50 0.12 - 0.3 mg/L (48 h) EC50 0.71 - 0.99 mg/L (48 h) EC50 = 4.71 mg/L (48 h)

12.2.

Persistence / Degradability

No information available.

12.3.

Bioaccumulation / Accumulation

No information available.

Chemical Name	log Pow =
1,2-Benzisothiazolin-3-one 2634-33-5	1.3
5-Chloro-2-methyl-4-isothiazolin-3-one 26172-55-4	0.75

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

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
Propylene glycol 57-55-6	RG 84
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. One or more component is listed on NDSL.
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/NDSL - 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**

R22 - Harmful if swallowed
 R38 - Irritating to skin
 R41 - Risk of serious damage to eyes
 R43 - May cause sensitization by skin contact
 R50 - Very toxic to aquatic organisms
 R34 - Causes burns
 R23 - Toxic by inhalation
 R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under section 3

H301 - Toxic if swallowed
 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
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects
 H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H318 - Causes serious eye damage
 H335 - May cause respiratory irritation

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