



# SAFETY DATA SHEET

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

**Product Name** COLOR SAMPLES - BASE 2  
**Product Code** 1272X  
**Product Class** WATER THINNED PAINT  
**Color** All  
**Recommended use** Paint  
**Restrictions on use** No information available

**Manufacturer**  
Benjamin Moore & Co.  
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1-800-424-9300 (NORTH AMERICA)

## Section 2: HAZARDS IDENTIFICATION

### 2.1.

REGULATION (EC) No 1272/2008

<b>Skin sensitization</b>	Category 1 - (H317)
<b>Carcinogenicity</b>	Category 2 - (H351)

**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, Vinyl acetate

**Signal word**

Warning

**Hazard statements**

H317 - May cause an allergic skin reaction; H351 - Suspected of causing cancer

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

P280 - Wear eye protection/ face protection

P281 - Use personal protective equipment as required

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	20	Unclassified		Not available
Titanium dioxide	236-675-5	13463-67-7	15	Unclassified		Not available
Propylene glycol	200-338-0	57-55-6	5	Unclassified		Not available
Vinyl acetate	203-545-4	108-05-4	0.5	F;R11	Flam. Liq. 2 (H225) STOT SE 3 (H335) Carc. 2 (H351) Acute Tox. 4 (H332)	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	0.005	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
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

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**

<b>General Advice</b>	No hazards which require special first aid measures.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	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**

<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.

#### 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.

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hygiene Measures</b>	Wash thoroughly after handling.
<b>7.2.</b>	
<b>Storage</b>	Keep container tightly closed. Keep out of the reach of children.
<b>7.3.</b>	
<b>Specific Uses</b>	Architectural coating. Apply as directed. Refer to product label / literature for specific instructions.
<b>Risk Management Methods (RMM)</b>	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 <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 1.0 f/cm <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>
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>
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				

Component	Ireland	Latvia	Lithuania	Poland	Romania	Spain
Limestone 1317-65-3 ( 15.6115 )	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>					
Titanium dioxide 13463-67-7 ( 10.2404 )	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>
Propylene glycol 57-55-6 ( 2.05 )	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

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Respiratory Protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.
<b>Eye Protection</b>	Safety glasses with side-shields.

<b>Skin Protection</b>	Lightweight protective 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.

## 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>	1234 - 1282	None known
<b>Relative Density</b>	1.23 - 1.29	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>	Not applicable	None known
<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
<b>Partition Coefficient (n-octanol/water)</b>	No information available	None known
<b>Explosive properties</b>	No information available	None known
<b>Oxidizing Properties</b>	No information available	None known

## Section 10: STABILITY AND REACTIVITY

<b>10.1.</b>	
<b>Reactivity</b>	Not Applicable.

### 10.2.

<b>Chemical Stability</b>	Stable under normal conditions.
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**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:
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )		
Propylene glycol 57-55-6	= 20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	
Vinyl acetate 108-05-4	= 2920 mg/kg ( Rat )	= 2320 mg/kg ( Rabbit )	= 11400 mg/m <sup>3</sup> ( Rat ) 4 h
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.

Chemical Name	EU Annex I Carcinogen Information	IARC
Titanium dioxide 13463-67-7		2B - Possible Human Carcinogen
Vinyl acetate 108-05-4	Carc. 2	2B - Possible Human Carcinogen

• 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

<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Neurological Effects</b>	No information available.
<b>Target Organ Effects:</b>	No information available.
<b>Symptoms</b>	No information available.
<b>Aspiration Hazard</b>	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 mg/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)
Vinyl acetate 108-05-4		LC50 15.04 - 21.54 mg/L Lepomis macrochirus (96 h) LC50 26.1 - 36.63 mg/L Poecilia reticulata (96 h) LC50 = 14 mg/L Pimephales promelas (96 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 =
Vinyl acetate 108-05-4	0.73
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

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Vinyl acetate	Group III 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
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**

**DSL: Canada**

**EINECS: European Union**

**ENCS : Japan**

**IECS : China**

**KECL: South Korea**

**PICCS: Philippines**

**TSCA: United States**

No - Not all of the components are listed.  
 Yes - All components are listed or exempt.  
 One or more component is listed on NDSL.  
 No - Not all of the components are listed.  
 No - Not all of the components are listed.  
 No - Not all of the components are listed.  
 No - Not all of the components are listed.  
 No - Not all of the components are listed.  
 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**

R11 - Highly flammable  
 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**

H225 - Highly flammable liquid and vapor  
 H335 - May cause respiratory irritation  
 H351 - Suspected of causing cancer if inhaled  
 H332 - Harmful if inhaled  
 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

<b>Classification procedure:</b>	Expert judgment and weight of evidence determination
<b>Key literature references and sources for data</b>	Data from internal and external sources
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**End of Safety Data Sheet**