

Revision Date: 03-Oct-2018 Revision Number: 3

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ACRYLIC FIELD MARKING PAINT WHITE

Product Code FM-6501
Alternate Product Code TY7901

Product Class WATER THINNED PAINT

**Color** White **Recommended use** Paint

Restrictions on use No information available

Manufacturer Emergency Telephone

Benjamin Moore & Co. CHEMTREC (US): 800-424-9300 101 Paragon Drive CHEMTREC (outside US): (703)-527-3887

Montvale, NJ 07645 Phone: 1-866-708-9180

inel v com

insl-x.com

# 2. HAZARDS IDENTIFICATION

## Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

# Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Appearance liquid Odor little or no odor

## Hazards not otherwise classified (HNOC)

Not applicable

## Other information

No information available

## 3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%

Kaolin	1332-58-7	20
Limestone	1317-65-3	10
Titanium dioxide	13463-67-7	10
Nepheline syenite	37244-96-5	5
Zinc oxide	1314-13-2	0.5

# 4. FIRST AID MEASURES

No hazards which require special first aid measures. **General Advice** 

Rinse thoroughly with plenty of water for at least 15 minutes and consult a **Eve Contact** 

physician.

Wash off immediately with soap and plenty of water while removing all **Skin Contact** 

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.

**Most Important** Symptoms/Effects None known.

**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** As in any fire, wear self-contained breathing apparatus

**Firefighters** 

pressure-demand, MSHA/NIOSH (approved or equivalent)

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and full protective gear.

Closed containers may rupture if exposed to fire or **Specific Hazards Arising From The Chemical** 

extreme heat.

**Sensitivity To Mechanical Impact** No

Sensitivity To Static Discharge No

Flash Point Data

Not applicable Flash Point (°F) Flash Point (°C) Not applicable Method Setaflash closed cup

Flammability Limits In Air

Not applicable Lower flammability limit: **Upper flammability limit:** Not applicable

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NFPA Health: 1 Flammability: 0 Instability: 0 Special: Not Applicable

## **NFPA Legend**

0 - Not Hazardous

- 1 Slightly
- 2 Moderate
- 3 High
- 4 Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

## 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**

Chemical name	ACGIH TLV	OSHA PEL
Kaolin	2 mg/m³ - TWA	15 mg/m³ - TWA
	_	5 mg/m³ - TWA
Limestone	N/E	15 mg/m³ - TWA
		5 mg/m³ - TWA
Titanium dioxide	10 mg/m³ - TWA	15 mg/m³ - TWA
Zinc oxide	2 mg/m³ - TWA	5 mg/m³ - TWA
	10 mg/m <sup>3</sup> - STEL	15 mg/m³ - TWA

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** 

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**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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid

Odor little or no odor

Odor Threshold No information available

 Density (lbs/gal)
 10.8 - 11.2

 Specific Gravity
 1.30 - 1.34

PH No information available
Viscosity (cps) No information available
Solubility(ies) No information available
Water solubility No information available
Evaporation Rate No information available
Vapor pressure @20 °C (kPa) No information available

Vapor pressure @20 °C (kPa)No information availableVapor densityNo information available

 Wt. % Solids
 45 - 55

 Vol. % Solids
 25 - 35

 Wt. % Volatiles
 45 - 55

 Vol. % Volatiles
 65 - 75

 VOC Regulatory Limit (g/L)
 < 50</td>

 Boiling Point (°F)
 212

 Boiling Point (°C)
 100

Boiling Point (°F) 212
Boiling Point (°C) 100
Freezing Point (°F) 32
Freezing Point (°C) 0
Flash Point (°F) Not

Flash Point (°F)

Flash Point (°C)

Method

Flammability (solid, gas)

Upper flammability limit:

Not applicable

Not applicable

Not applicable

Lower flammability limit:

Autoignition Temperature (°F)

Autoignition Temperature (°C)

Decomposition Temperature (°F)

Decomposition Temperature (°C)

No information available

No information available

No information available

Partition coefficient No information available

# 10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability Stable under normal conditions.

Conditions to avoid Prevent from freezing.

**Incompatible Materials**No materials to be especially mentioned.

Hazardous Decomposition Products

None under normal use.

#### Possibility of hazardous reactions

None under normal conditions of use.

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# 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.

No information available Sensitization **Neurological Effects** No information available. No information available. **Mutagenic Effects 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. No information available. Other adverse effects No information available **Aspiration Hazard** 

## Numerical measures of toxicity

**ATEmix (oral)** 199401

# **Component Information**

Kaolin

LD50 Oral: > 5000 mg/kg (Rat)

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

Zinc oxide

LD50 Oral: 5000 mg/kg (Rat)

LC50 Inhalation (Dust): > 5700 mg/m<sup>3</sup> (Rat, 4 hr.)

#### Carcinogenicity

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

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	2B - Possible Human	Listed
Titanium dioxide	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."

# 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**

No information available

Titanium dioxide

LC50: > 1000 mg/L (Fathead Minnow - 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.

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# 14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

# 15. REGULATORY INFORMATION

# **International Inventories**

**TSCA: United States DSL: Canada** 

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

# Federal Regulations

#### SARA 311/312 hazardous categorization

Acute health hazard No Chronic Health Hazard No 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**

MARNING: Cancer and Reproductive Harm– www.P65warnings.ca.gov

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## State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania
Kaolin	X	X	X
Limestone	X	X	X
Titanium dioxide	X	X	X

#### 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

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#### Disclaimer

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federal, provincial, and local laws and regulations.

**END OF SAFETY DATA SHEET**