

Revision Date: 27-Jan-2015 Revision Number: 1

#### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ACRYLIC FAST-SET TRAFFIC PAINT YELLOW

Product Code TP-2380
Alternate Product Code TC3160

Product Class WATER THINNED PAINT

Color Yellow Recommended use Paint

Restrictions on use No information available

ManufacturerEmergency Telephone Number(s)Benjamin Moore & Co.CHEMTREC (US): 800-424-9300

101 Paragon Drive , NJ 07645 CHEMTREC (outside US): (703)-527-3887

Phone: 800-225-5554

insl-x.com

# 2. HAZARDS IDENTIFICATION

#### Classification

Carcinogenicity Category 1A

#### Label elements

#### Danger

# Hazard statements

May cause cancer



Appearance liquid Odor little or no odor

#### **Precautionary Statements - Prevention**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required

#### **Precautionary Statements - Response**

If exposed or concerned get medical attention

**Precautionary Statements - Storage** 

Store locked up

**Precautionary Statements - Disposal** 

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not Applicable

Other information

No information available

#### 3. COMPOSITION INFORMATION ON COMPONENTS

Chemical Name	CAS-No	Weight % (max)
Limestone	1317-65-3	60
Titanium dioxide	13463-67-7	5
Silica, crystalline	14808-60-7	0.5

#### 4. 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.

Most Important Symptoms/Effects No information available.

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

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

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and full protective gear.

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

heat.

Sensitivity To Mechanical Impact No

Sensitivity To Static Discharge No

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**Flash Point Data** 

Flash Point (°F)

Flash Point (°C)

Flash Point Method

Not applicable

Not applicable

Flammability Limits In Air

Lower Explosion LimitNot applicableUpper Explosion LimitNot applicable

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 Clean-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	OSHA	
Limestone	N/E	15 mg/m <sup>3</sup> - TWA total	
		5 mg/m <sup>3</sup> - TWA	
Titanium dioxide	10 mg/m <sup>3</sup> - TWA	15 mg/m³ - TWA	
Silica, crystalline	0.025 mg/m <sup>3</sup> - TWA	respirable - (10)/(%SiO2 + 2) mg/m <sup>3</sup> TWA	
-		respirable - (250)/(%SiO2 + 5) mppcf TWA	
		total dust - (30)/(%SiO2 + 2) mg/m <sup>3</sup> TWA	

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**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment** 

**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.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid

Odor little or no odor

Odor Threshold No information available

**Density (lbs/gal)** 13.8 - 14.1 **Specific Gravity** 1.65 - 1.69

pH No information available
Viscosity (cps) No information available
Solubility No information available
Water Solubility No information available
Evaporation Rate No information available
Vapor Pressure No information available
Vapor Density No information available

70 - 80 Wt. % Solids 55 - 65 Vol. % Solids Wt. % Volatiles 20 - 30Vol. % Volatiles 35 - 45 **VOC Regulatory Limit (g/L)** < 100 **Boiling Point (°F)** 212 **Boiling Point (°C)** 100 Freezing Point (°F) 32 Freezing Point (°C)

Flash Point (°F)

Flash Point (°C)

Flash Point Method

Flammability (solid, gas)

Upper Explosion Limit

Lower Explosion Limit

Not applicable

Not applicable

Not applicable

Not applicable

Autoignition Temperature (°F)
Autoignition Temperature (°C)
Decomposition Temperature (°F)
Decomposition Temperature (°C)
No information available

octanol/water)

# 10. STABILITY AND REACTIVITY

Reactivity Not Applicable

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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.

# 11. TOXICOLOGICAL INFORMATION

# Information on likely routes of exposure

#### **Product Information**

InhalationNo information availableEye contactNo information availableSkin contactNo information availableIngestionNo information available

**Acute Toxicity** 

Product No information available

## Information on toxicological effects

Symptoms No information available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization:No information availableMutagenic EffectsNo information availableReproductive EffectsNo information available

#### **Numerical measures of toxicity**

#### The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 1000590 mg/kg

# Acute Toxicity Component

Limestone

LD50 Oral: 6,450 mg/kg (Rat) vendor data

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m<sup>3</sup> (Rabbit)

LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

Silica, crystalline

LD50 Oral: 500 mg/kg (Rat) vendor data

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# Carcinogenicity

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

Chemical Name	IARC	NTP	OSHA Carcinogen
	2B - Possible Human		Listed
Titanium dioxide	Carcinogen		
	1 - Human Carcinogen	Known Human	Listed
Silica, crystalline		Carcinogen	

- Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.
- 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**

#### **Product**

# **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 / Accumulation**

No information available

#### **Mobility in Environmental Media**

No information available

#### **Ozone**

No information available

#### Component

# **Acute Toxicity to Fish**

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, provincial, and local regulations. Local

requirements may vary, consult your sanitation department or state-designated

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environmental protection agency for more disposal options.

#### 14. TRANSPORT INFORMATION

DOT Not regulated

Not regulated ICAO / IATA

**IMDG / IMO** Not regulated

# 15. REGULATORY INFORMATION

### **International Inventories**

**United States TSCA** Yes - All components are listed or exempt. Canada DSL Yes - All components are listed or exempt.

# **Federal Regulations**

# SARA 311/312 hazardous categorization

Acute Health Hazard No Chronic Health Hazard Yes Fire Hazard Nο 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:

# Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

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None

# **State Regulations**

#### **California Proposition 65**

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

### State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Limestone	X	X	X
Titanium dioxide	X	X	X
Silica, crystalline	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 855-724-6802

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**END OF SAFETY DATA SHEET**