

Revision Date: 19-Jun-2015

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Product Code Alternate Product Code Product Class Color Recommended use Restrictions on use

LATEX TRAFFIC PAINT YELLOW TP-2224 TC3140 WATER THINNED PAINT Yellow Paint No information available

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 800-225-5554 insl-x.com Emergency Telephone Number(s) CHEMTREC (US): 800-424-9300 CHEMTREC (outside US): (703)-527-3887

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 dangerous 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 % (max)
Limestone	1317-65-3	45

Titanium dioxide	13463-67-7	5
Sodium C14-C16 olefin sulfonate	68439-57-6	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	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 Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) 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	
Flash Point Data Flash Point (°F) Flash Point (°C) Flash Point Method	Not applicable Not applicable Not applicable	
Flammability Limits In Air		
Lower Explosion Limit Upper Explosion Limit	Not applicable Not applicable	
NFPA Health: 1 Flammability: 0 Inst	ability: 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.		

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Chemical Name	ACGIH	OSHA
Limestone	N/E	15 mg/m³ - TWA total 5 mg/m³ - TWA
Titanium dioxide	10 mg/m³ - TWA	15 mg/m³ - TWA

Engineering Measures	Ensure adequate ventilation, especially in confined areas.	
Personal Protective Equipment Eye/Face Protection Skin Protection Respiratory Protection	Safety glasses with side-shields. Protective gloves and impervious clothing. 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 Odor liquid little or no odor

Odor Threshold	No
Density (lbs/gal)	11.8
Specific Gravity	1.41
Hq	No i
Viscosity (cps)	No
Solubility	No i
Water Solubility	No
Evaporation Rate	No
Vapor Pressure	No i
Vapor Density	No i
Wt. % Solids	50 -
Vol. % Solids	30 -
Wt. % Volatiles	40 -
Vol. % Volatiles	60 -
VOC Regulatory Limit (g/L)	< 10
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing Point (°F)	32
Freezing Point (°C)	0
Flash Point (°F)	Not
Flash Point (°C)	Not
Flash Point Method	Not
Flammability (solid, gas)	Not
Upper Explosion Limit	Not
Lower Explosion Limit	Not
Autoignition Temperature (°F)	No i
Autoignition Temperature (°C)	No
Decomposition Temperature (°F)	No i
Decomposition Temperature (°C)	No
Partition Coefficient (n-octanol/water)	No

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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

Information on toxicological effects

Symptoms

No information available

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

Eye contact Skin contact	May cause slight irritation. 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.
Sensitization:	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
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
Other adverse effects	No information available.
Aspiration Hazard	No information available

Numerical measures of toxicity

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

ATEmix (oral)	352481 mg/kg
ATEmix (dermal)	1181060 mg/kg

Component

Acute Toxicity

Limestone LD50 Oral: 6,450 mg/kg (Rat) vendor data <u>Titanium dioxide</u> LD50 Oral: > 10000 mg/kg (Rat) LD50 Dermal: > 10000 mg/m³ (Rabbit) LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

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		

• 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 / Accumulation

No information available.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component

Acute Toxicity to Fish

<u>Titanium dioxide</u> 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. DIS	POSAL	CONSIDERATION	S
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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 environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT	Not regulated
ICAO / IATA	Not regulated
IMDG / IMO	Not regulated

15. REGULATORY INFORMATION

International Inventories

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

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

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	Х	Х	Х
Titanium dioxide	Х	Х	Х

Legend

X - Listed

16. OTHER INFORMATION

HMIS Health: 1 Flammability: 0 Reactivity: 0	PPE: -
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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.

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Revision Date:	19-Jun-2015
Revision Summary	Not available

Disclaimer

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END OF SAFETY DATA SHEET