1. PRODUCT AND COMPANY IDENTIFICATION

Product Name                      ATHLETIC FIELD MARKING PASTE WHITE
Product Code                      FM-550
Alternate Product Code           TC4401
Product Class                    WATER THINNED PAINT
Color                             White
Recommended use                  Paint
Restrictions on use              No information available

Manufacturer                     Benjamin Moore & Co.
                                 101 Paragon Drive, NJ 07645
                                 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>35</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10</td>
</tr>
<tr>
<td>Kaolin, calcined</td>
<td>92704-41-1</td>
<td>5</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic</td>
<td>64742-65-0</td>
<td>0.5</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>0.5</td>
</tr>
</tbody>
</table>

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) 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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (°F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point Method</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Flammability Limits In Air

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Explosion Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper Explosion Limit</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Flammability Limits In Air

<table>
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<tbody>
<tr>
<td>Lower Explosion Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper Explosion Limit</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>N/E</td>
<td>15 mg/m³ - TWA total</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³ - TWA</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ - TWA</td>
<td>15 mg/m³ - TWA</td>
</tr>
<tr>
<td>Kaolin, calcined</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>ACGIH</td>
<td>OSHA</td>
</tr>
<tr>
<td>---------------------------------------------------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>- dewaxed heavy paraffinic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

**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)**: 11.8 - 12.1
- **Specific Gravity**: 1.41 - 1.45
- **pH**: No information available
- **Viscosity (cps)**: No information available
- **Water Solubility**: No information available
- **Evaporation Rate**: No information available
- **Vapor Pressure**: No information available
- **Vapor Density**: No information available
- **Wt. % Solids**: 45 - 55
- **Vol. % Solids**: 25 - 35
- **Wt. % Volatiles**: 45 - 55
- **Vol. % Volatiles**: 65 - 75
- **VOC Regulatory Limit (g/L)**: < 50
- **Boiling Point (°F)**: 212
- **Boiling Point (°C)**: 100
- **Freezing Point (°F)**: 32
- **Freezing Point (°C)**: 0
- **Flash Point (°F)**: Not applicable
- **Flash Point (°C)**: Not applicable
- **Flash Point Method**: Not applicable
- **Flammability (solid, gas)**: Not applicable
- **Upper Explosion Limit**: Not applicable
- **Lower Explosion Limit**: Not applicable
- **Autoignition Temperature (°F)**: No information available
- **Autoignition Temperature (°C)**: No information available
- **Decomposition Temperature (°F)**: No information available
- **Decomposition Temperature (°C)**: No information available
- **Partition Coefficient (n-octanol/water)**: 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.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
No information available

Eye contact
No information available

Skin contact
No information available

Ingestion
No 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 available

Mutagenic Effects
No information available

Reproductive Effects
No information available

Numerical measures of toxicity

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

ATEmix (oral) 36782 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/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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2B - Possible Human Carcinogen</td>
<td>Listed</td>
<td></td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>2A - Probable Human Carcinogen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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 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
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
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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
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</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend
X - Listed

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS Legend</th>
<th>Health: 1*</th>
<th>Flammability: 0</th>
<th>Reactivity: 0</th>
<th>PPE: -</th>
</tr>
</thead>
</table>

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

Revision Date: 05-Dec-2014
Revision Summary Not available

Disclaimer
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END OF SAFETY DATA SHEET