1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MOORLIFE 100% ACRYLIC FLAT HOUSE PAINT
Product Code: N105
Color: All

Manufacturer: Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 201-573-9600
www.benjaminmoore.com

2. COMPOSITION INFORMATION ON COMPONENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>25</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>14808-60-7</td>
<td>10</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td>61790-53-2</td>
<td>5</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>5</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>0.5</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Emergency Overview

Vapors may be irritating to eyes, nose, throat, and lungs. May cause skin irritation and/or dermatitis.

Appearance: liquid

Odor: little or no odor

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Potential Health Effects

Principal Routes of Exposure: Eye contact, skin contact and inhalation.

Acute Effects
Eyes
May cause slight irritation.

Skin
Substance may cause slight skin irritation.

Inhalation
May cause irritation of respiratory tract.

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects
Repeated contact may cause allergic reactions in very susceptible persons.

Contains: Crystalline Silica which 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.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions
None known

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, Benjamin Moore & Co., 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.

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.

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>Flash Point (°F)</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<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  
| Lower Explosion Limit | Not applicable |
| Upper Explosion Limit | Not 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 by Benjamin Moore & Co. 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.

 Environmental Precautions  
Prevent further leakage or spillage if safe to do so.

 Methods For Clean-Up  
Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

 Other Information  
None known

 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
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Hazardous Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>TWA: 10 mg/m³</td>
<td>PEL 15 mg/m³ Total dust.</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>TWA: 0.025 mg/m³</td>
<td>N/E</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>TWA: 2 mg/m³ Respirable fraction. 10 mg/m³ Respirable fraction.</td>
<td>PEL 5 mg/m³ Fume. PEL 5 mg/m³ Respirable fraction. PEL 15 mg/m³ Total dust.</td>
</tr>
<tr>
<td>Carbon black</td>
<td>TWA: 3.5 mg/m³</td>
<td>PEL 3.5 mg/m³</td>
</tr>
</tbody>
</table>

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

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

Density (lbs/gal)
10.51 - 12.19

Specific Gravity
1.26 - 1.46

pH
Not available

Viscosity (centistokes)
Not available

Evaporation Rate
Not available

Vapor Pressure
Not available

Vapor Density
Not available

Wt. % Solids
49.3 - 60.4

Vol. % Solids
35.9 - 42.5

Wt. % Volatiles
45.1 - 63.5

Vol. % Volatiles
57.5 - 64.1

VOC (g/L)
< 100

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

Upper Explosion Limit
Not available
9. PHYSICAL AND CHEMICAL PROPERTIES

Lower Explosion Limit
Not available

10. STABILITY AND REACTIVITY

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

Acute Toxicity

Product
No information available

Component

Titanium dioxide
LD50 Oral: > 24000 mg/kg (Rat)
LD50 Dermal: > 10000 mg/m³ (Rabbit)
LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

Silica, crystalline
LD50 Oral: > 22,500 mg/kg (Rat) vendor data

Zinc oxide
LD50 Oral: > 8437 mg/kg (Rat)
LC50 Inhalation (Dust): > 5700 mg/m³ (Rat, 4 hr.)

Carbon black
LD50 Oral: > 15400 mg/kg (Rat)
LD50 Dermal: > 3000 mg/kg (Rabbit)

Chronic Toxicity

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td>2B Possible</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>carcinogen.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td></td>
<td>1 Human</td>
<td></td>
<td>Known carcinogen.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>carcinogen.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Name</td>
<td>ACGIH</td>
<td>IARC</td>
<td>NTP</td>
<td>OSHA Carcinogen</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------</td>
<td>-------------------------------------</td>
<td>----------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td></td>
<td>3 Classification not possible from current data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td></td>
<td>2B Possible carcinogen.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**
ACGIH - American Conference of Governmental Industrial Hygienists  
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

**Component**
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. Dry, empty containers may be recycled in a can recycling program. 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>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>5</td>
</tr>
</tbody>
</table>

This product may contain trace amounts of (other) SARA reportable chemicals. Contact Benjamin Moore & Co. for further information.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

This product may contain trace amounts of (other) HAPs chemicals. Contact Benjamin Moore & Co. for further information.

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>
<th>Louisiana</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Carbon black</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Legend

X - Listed

16. OTHER INFORMATION

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.
360 Route 206 - P.O. Box 4000
Flanders, NJ  07836
973-252-2593

Revision Date: 24-Jul-2007
Revision Summary
Not available

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End of MSDS