1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FRESH START MOORWHITE EXTERIOR WOOD PRIMER WHITE
Product Code: K10000
Alternate Product Code: K10000
Product Class: SOLVENT THINNED PAINT
Color: White
Recommended use: Primers
Restrictions on use: No information available

Manufactured For:
Benjamin Moore & Co., Limited
8775 Keele Street
Concord ON L4K 2N1
Phone: 1-800-361-5898
www.benjaminmoore.com

Manufacturer:
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ  07645
Phone: 855-724-6802
www.benjaminmoore.com

Emergency Telephone Number(s):
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1A</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Category 1</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
<tr>
<td>Physical hazard not otherwise classified</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Label elements

Danger

Hazard statements
Causes skin irritation
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
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Do not breathe dust/fume/mist/vapors/spray
Do not eat, drink or smoke when using this product
Keep away from heat/sparks/open flames/hot surfaces, no smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

Precautionary Statements - Response
If exposed or concerned get medical attention
Skin
If skin irritation or rash occurs get medical attention
If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water
Wash contaminated clothing before reuse
Ingestion
If swallowed immediately call a POISON CENTER or physician
Do NOT induce vomiting
Fire
In case of fire use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant
Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat
to dry, then discard.

**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>30 - 60%</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10 - 30%</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
<td>64742-47-8</td>
<td>7 - 13%</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>1H-Isoindole-1,3(2H)-dione, 2-[(trichloromethyl)thio]</td>
<td>133-07-3</td>
<td>0.5 - 1%</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>14808-60-7</td>
<td>0.25 - 0.5%</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.1 - 0.25%</td>
</tr>
<tr>
<td>Cobalt bis(2-ethylhexanoate)</td>
<td>136-52-7</td>
<td>0.1 - 0.25%</td>
</tr>
</tbody>
</table>

---

### 4. FIRST AID MEASURES

**General Advice**
If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact**
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**
Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.

**Ingestion**
Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.

**Protection Of First-Aiders**
Use personal protective equipment.

**Most Important Symptoms/Effects**
May cause allergic skin reaction.

**Notes To Physician**
Treat symptomatically.

---

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Foam, dry powder or water. 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**

Combustible material. Closed containers may rupture if exposed to fire or extreme heat. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors.

**Sensitivity To Mechanical Impact**

No

**Sensitivity To Static Discharge**

Yes

**Flash Point Data**

- Flash Point (°F) 113
- Flash Point (°C) 45
- Flash Point Method PMCC

**Flammability Limits In Air**

- Lower Explosion Limit Not available
- Upper Explosion Limit Not available

**NFPA Legend**

- Health: 1
- Flammability: 2
- Instability: 0
- Special: Not Applicable

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**

Use personal protective equipment. Remove all sources of ignition.

**Other Information**

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Environmental Precautions**

See Section 12 for additional Ecological Information.

**Methods For Clean-Up**

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean
contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling
Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.

Storage

DANGER - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

Incompatible Materials
Incompatible with strong acids and bases and strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits
No exposure limits have been established for this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>N/E</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
<td>N/E</td>
<td>10 mg/m³ - TWA</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
<td></td>
</tr>
<tr>
<td>Distillates, petroleum,</td>
<td>N/E</td>
<td>N/E</td>
<td>200 mg/m³ - TWA</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>hydrotreated light</td>
<td></td>
<td></td>
<td>Skin absorption can contribute to overall exposure.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>100 ppm - TWA</td>
<td>100 ppm - TWA</td>
<td>290 mg/m³ - TWA</td>
<td>525 mg/m³ - TWA</td>
<td>100 ppm - TWA</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>0.025 mg/m³ - TWA</td>
<td>0.025 mg/m³ - TWA</td>
<td>0.025 mg/m³ - TWA</td>
<td>0.1 mg/m³ - TWA</td>
<td></td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>20 ppm - TWA</td>
<td>100 ppm - TWA</td>
<td>20 ppm - TWA</td>
<td>20 ppm - TWA</td>
<td></td>
</tr>
</tbody>
</table>

Legend
ACGIH - American Conference of Governmental Industrial Hygienists
Alberta - Alberta Occupational Exposure Limits
British Columbia - British Columbia Occupational Exposure Limits
Ontario - Ontario Occupational Exposure Limits
Quebec - Quebec Occupational 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
Long sleeved clothing. Protective gloves.

Respiratory Protection
In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

Hygiene Measures

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
liquid

Odor
solvent

Odor Threshold
No information available

Density (lbs/gal)
12.8 - 12.9

Specific Gravity
1.53 - 1.55

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

Wt. % Solids
80 - 90

Vol. % Solids
60 - 70

Wt. % Volatiles
10 - 20

Vol. % Volatiles
30 - 40

VOC Regulatory Limit (g/L)<350

Boiling Point (°F)
275

Boiling Point (°C)
135

Freezing Point (°F)
No information available

Freezing Point (°C)
No information available

Flash Point (°F)
113

Flash Point (°C)
45

Flash Point Method
PMCC

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. Hazardous polymerisation does not occur.

Conditions To Avoid
Keep away from open flames, hot surfaces, static electricity and sources of ignition.

Incompatible Materials
Incompatible with strong acids and bases and strong oxidizing agents.

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapors.

Possibility Of Hazardous Reactions
None under normal conditions of use.

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
Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

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
Contact with eyes may cause irritation.

Skin contact
May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.

Inhalation
High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

Ingestion
Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Sensitization:
May cause an allergic skin reaction.

Neurological Effects
No information available.

Mutagenic Effects
No information available.

Reproductive Effects
No information available.

Developmental Effects
No information available.
Target Organ Effects
STOT - single exposure
No information available.
STOT - repeated exposure
Causes damage to organs through prolonged or repeated exposure if inhaled. Contains: Crystalline Silica which has been determined to be carcinogenic to humans by IARC 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.

Other adverse effects
Aspiration Hazard
May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

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

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation (Vapor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td>&gt; 5,000 mg/kg (Rat)</td>
<td>&gt; 6.1 mg/L (Rat)</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>&gt; 5,000 mg/kg (Rat)</td>
<td>&gt; 3160 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>LD50 Inhalation (Vapor): &gt; 5000 mg/m³ (Rat, 2 hr.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral: 2636 mg/kg (Rat)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal: &gt; 22600 mg/kg (Rabbit)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral: &gt; 5,000 mg/kg (Rat)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral: mg/kg (Rat)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal: &gt; mg/kg (Rabbit)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Inhalation (Vapor): mg/m³ (Rat, 2 hr.)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>1 - Human Carcinogen</td>
<td>Known Human Carcinogen</td>
</tr>
</tbody>
</table>
Ethyl benzene  2B - Possible Human Carcinogen
Cobalt bis(2-ethylhexanoate)  2B - Possible Human 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."
- Cobalt and cobalt compounds are listed as possible human carcinogens by IARC (2B). However, there is inadequate evidence of the carcinogenicity of cobalt and cobalt compounds in humans.

**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**

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)
Ethyl benzene
LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**

Ethyl benzene  
EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

**Acute Toxicity to Aquatic Plants**

Ethyl benzene  
EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

---

### 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.

**Empty Container Warning**  
Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

---

### 14. TRANSPORT INFORMATION

**TDG**

- **Proper Shipping Name**: Paint  
- **Hazard Class**: 3  
- **UN-No**: UN1263  
- **Packing Group**: III  
- **Description**: UN1263, Paint, , 3, III  
- **TDG Comment**: In Canada, Class 3 flammable liquids may be reclassified as non-regulated for domestic ground transportation if they meet the requirements of TDG General Exemption SOR/2008-34.

**ICAO / IATA**  
Contact the preparer for further information.

**IMDG / IMO**  
Contact the preparer for further information.

---

### 15. REGULATORY INFORMATION

**International Inventories**

- **TSCA: United States**: Yes - All components are listed or exempt.  
- **DSL: Canada**: Yes - All components are listed or exempt.
National Pollutant Release Inventory (NPRI)

**NPRI Parts 1-4**
This product contains the following Parts 1-4 NPRI chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
<th>NPRI Parts 1-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.1 - 0.25%</td>
<td>Listed</td>
</tr>
<tr>
<td>Cobalt bis(2-ethylhexanoate)</td>
<td>136-52-7</td>
<td>0.1 - 0.25%</td>
<td>Listed</td>
</tr>
</tbody>
</table>

**NPRI Part 5**
This product contains the following NPRI Part 5 Chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
<th>NPRI Part 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, hydrotreated</td>
<td>64742-47-8</td>
<td>7 - 13%</td>
<td>Listed</td>
</tr>
<tr>
<td>light</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
</tbody>
</table>

WHMIS Regulatory Status

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**HMIS - Health:** 1*  **Flammability:** 2  **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 logging onto Health Canada @ http://www.hc-sc.gc.ca/ewh-serm/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

**Prepared By**
Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
855-724-6802

Revision Date: 12-May-2017
Reason For Revision: Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

END OF SAFETY DATA SHEET