SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FRESH START HIGH-HIDING ALL PURPOSE PRIMER WHITE
Product Code: K04600
Alternate Product Code: K04600
Product Class: WATER THINNED PAINT
Color: White
Recommended use: Paint
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: 1-866-708-9180
www.benjaminmoore.com

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

2. HAZARDS IDENTIFICATION

Classification
This chemical is not considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

Label elements

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Appearance: liquid
Odor: little or no odor

Other information
No information available
**Other hazards**

May cause allergic skin reaction

### 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>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10 - 30%</td>
</tr>
<tr>
<td>Kaolin, calcined</td>
<td>92704-41-1</td>
<td>3 - 7%</td>
</tr>
<tr>
<td>Nepheline syenite</td>
<td>37244-96-5</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td>61790-53-2</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol</td>
<td>25265-77-4</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>0.5 - 1%</td>
</tr>
<tr>
<td>Hexanedioic acid, dihydrazide</td>
<td>1071-93-8</td>
<td>0.25 - 0.5%</td>
</tr>
<tr>
<td>Sodium C14-C16 olefin sulfonate</td>
<td>68439-57-6</td>
<td>0.25 - 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 while 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**

May cause allergic skin reaction.

**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/NIOH (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) Not applicable
- Flash Point (°C) Not applicable
- Flash Point Method Not applicable

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 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

<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>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>10 mg/m³ - TWA</td>
</tr>
<tr>
<td>Nepheline syenite</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>10 mg/m³ - TWA</td>
<td>N/E</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td>N/E</td>
<td>N/E</td>
<td>4 mg/m³ - TWA</td>
<td>N/E</td>
<td>6 mg/m³ - TWA</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>2 mg/m³ - TWA</td>
<td>2 mg/m³ - TWA</td>
<td>2 mg/m³ - TWA</td>
<td>2 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
</tr>
<tr>
<td></td>
<td>10 mg/m³ - STEL</td>
<td>10 mg/m³ - STEL</td>
<td>10 mg/m³ - STEL</td>
<td>10 mg/m³ - STEL</td>
<td>10 mg/m³ - STEL</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**

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>little or no odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Density (lbs/gal)</td>
<td>10.6 - 10.9</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.30 - 1.32</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity (cps)</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No information available</td>
</tr>
<tr>
<td>Wt. % Solids</td>
<td>50 - 60</td>
</tr>
<tr>
<td>Vol. % Solids</td>
<td>35 - 45</td>
</tr>
<tr>
<td>Wt. % Volatiles</td>
<td>40 - 50</td>
</tr>
<tr>
<td>Vol. % Volatiles</td>
<td>55 - 65</td>
</tr>
<tr>
<td>VOC Regulatory Limit (g/L)</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>Boiling Point (°F)</td>
<td>212</td>
</tr>
<tr>
<td>Boiling Point (°C)</td>
<td>100</td>
</tr>
<tr>
<td>Freezing Point (°F)</td>
<td>32</td>
</tr>
<tr>
<td>Freezing Point (°C)</td>
<td>0</td>
</tr>
<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 (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

**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

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

**Eye contact**
May cause slight irritation

**Skin contact**
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:**
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**
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)  19114 mg/kg
ATEmix (dermal)  1216535 mg/kg

Component

Titanium dioxide
LD50 Oral: > 10000 mg/kg (Rat)
Kaolin, calcined
LD50 Oral: > 5000 mg/kg (Rat) vendor data
Zinc oxide
LD50 Oral: 5000 mg/kg (Rat)
LC50 Inhalation (Dust): > 5700 mg/m³ (Rat, 4 hr.)

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>
</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
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.)

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

TDG
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.

**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>Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol</td>
<td>25265-77-4</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>0.5 - 1%</td>
<td>Listed</td>
</tr>
</tbody>
</table>

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

None

**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.

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**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 logging onto Health Canada @ http://www.hc-sc.gc.ca/ewh-semt/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: 06-Jul-2017
Reason For Revision Not available

Disclaimer

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END OF SAFETY DATA SHEET