Material Safety Data Sheet for Anti-Foaming Agent

1. Product and Company Identification

**Product Name:** Anti-Foaming Agent

**Chemical Name:** Polydimethylsiloxane emulsion

**Supplier:** The Real Milk Paint Co.
11 W. Pumping Station Rd.
Quakertown, PA 18951

**Contact Numbers:**
- CHEM-TELL (24 Hours) 800-255-0573
- Customer Service 800-339-9748

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS3</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt;50.0%</td>
</tr>
<tr>
<td>Proprietary additives</td>
<td>Trade Secret</td>
<td>&lt;30.0%</td>
</tr>
<tr>
<td>Silica filled polydimethylsiloxane</td>
<td>Trade Secret</td>
<td>&lt;15.0%</td>
</tr>
</tbody>
</table>

**Note(s):** See Section 15 for chemicals appearing on Federal or State Right-TO-Know lists.

3. Hazardous Identification

**EMERGENCY OVERVIEW**
NORMAL PRECAUTIONS COMMON TO SAFE MANUFACTURING PRACTICE SHOULD BE FOLLOWED IN HANDLING AND STORAGE.

4. First Aid Measures

**Swallowing**
No emergency care anticipated.

**Skin**
Wash skin with soap and water.

**Inhalation**
No emergency care anticipated.

**Eye contact**
Flush eyes thoroughly with water for several minutes.

**Notes to physicians**
Toxicology studies have shown this material to be of very low acute toxicity. There is no
specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire Fighting Measures

**Flammable limits**
Lower limits: Not available
Upper limits: Not available

**Special fire fighting procedures:** None

**Special protective equipment for firefighters**
Use self-contained breathing apparatus when fighting fires in enclosed areas.

**Extinguishing media**

Suitable: Non-flammable (aqueous)
After water evaporates, the remaining material will burn.
Large fires:
- Alcohol-type foam or universal type foam
Small fires:
- CO2
- dry chemical

Unsuitable: None.

**Unusual fire and explosion hazards:**
None known.

6. Accidental Release Measures

**Personal precautions**
Wear suitable protective equipment.

**Environmental precautions**
Prevent runoff.

**Methods for cleaning up**
Cover with absorbent or contain.
Collect for disposal.
Observe government regulations.

7. Handling and Storage

**HANDLING**

**Handling precautions**
Normal precautions should be followed in handling and use.

8. Exposure Controls/Personal Protection
PERSONAL PROTECTION
Respiratory Protection
None expected to be needed.

Hand protection/protective gloves
Recommended order of use:
4H
Butyl
Neoprene
Nitrile (NBR)
PVC-coated

Eye protection
Safety glasses

Other protective equipment
Eye bath
Safety shower

ENGINEERING CONTROLS
Ventilation
General (mechanical room ventilation is expected to be satisfactory.

EXPOSURE LIMITS
No exposure limits have been established.

9. Physical and Chemical Properties

**APPEARANCE**
- Physical state: Liquid
- Color: Opaque white
- Odor: Mild

**OTHER PROPERTIES**
- Boiling point: >100 C at STP unless specified below Mixture
- Melting point: 0 C at STP unless specified below
- pH: Not available
- Specific gravity (H2O=1): 1.0000 at 25 C (1,013 hPa)
- Vapor Pressure: <26.6 hPa (20.00 mmHg) at 20 C
- Vapor density (air=1): Heavier than air
- Solubility in water: Dispersible
- Evaporation rate (Butyl Acetate=1): <1
- Flash Point: None, Aqueous system
- Upper explosion limits: Not available
- Lower explosion limits: Not available
- Percent volatiles: Not determined
- Molecular weight: Mixture

10. Stability and Reactivity
**Stability:** Stable.

**Stability – Conditions to avoid**
None known

**Incompatible materials**
None currently known

**Hazardous combustion products**
After evaporation of water, residue can burn to produce:
- Oxides of carbon.
- Oxides of silicon.
Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiate. Acute over exposure to the products of combustion may result in irritation of the respiratory tract.

**Hazardous polymerization:** Will not occur

**Hazardous polymerization – Conditions to avoid**
None known

11. Toxicological Information

**SWALLOWING**
**Acute effects**
No evidence of harmful effects from available information

**SKIN ABSORPTION**
**Acute effects**
No evidence of harmful effects from available information.

**INHALATION**
**Acute effects**
Short-term harmful health effects are not expected from vapor generated at ambient temperature.

**SKIN CONTACT**
**Acute effects**
May cause minor irritation
May cause the following effects:
- itching
- slight local redness

**EYE CONTACT**
**Acute effects**
May cause slight irritation
May cause the following effects:
-swelling of the conjunctivae

**Medical conditions aggravated by overexposure**
A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

**Other effects of overexposure**
No adverse effects anticipated from available information

**SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH**
No information relevant to human health hazard evaluation is currently available.

12. Ecological Information
All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

13. Disposal Considerations
**General:** Incinerate in a furnace where permitted under appropriate Federal, State and local regulations.

14. Transport Information
**DOT Classification**
This product is not regulated by DOT
**Freight description road:** OIL, O/T PETROLEUM, LUBRICATED, NOIBN

**IMDG Classification**
This product is not regulated by IMDG.

**ICAO Classification**
This product is not regulated by ICAO

15. Regulatory Information
**Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA)** requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ’s) in 40CFR302.4.
Components present in this product at a level which could require reporting under the statute are:
****NONE****

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III** requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40CFR355 (used for SARA 302 and 304).
Components present in this product at a level which could require reporting under the
Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemical that appear in 40CFR372 (for SARA313). This information must be included in MSDS’s that are copied and distribute for this material.
Components present in this product at a level which could require reporting under the statute are:
****NONE****

Massachusetts Right-To-Know Substance List (MSL)—Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.
Components present in this product at a level which could require reporting under the statute are:
***NONE***

Pennsylvania Right-TO-Know Hazardous Substance List—Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.
Components present in this product at a level which could require reporting under the statute are:
***NONE***

EPA Hazard Categories (SARA 311,312): None

California Proposition 65
This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

California SCAQMD Rule 443.1 VOC’s
Volatile Organic Components (VOC’s)=Substances with vapor pressure of ⇒ 0.5 mmHg at 104 °C (219.2°F).
****NOT DETERMINED****

CHEMICAL INVENTORY
Canada: The ingredients of this product are on the DSL.
Europe: The ingredients of this product are on the EINECS inventory.
United States: The components of this product are listed on the TSCA inventory or are exempt.

16. Other Information
RECOMMENDED USES AND RESTRICTIONS
Please consult the product and/or application information bulletins for this product.
HMIS RATING
Health: 1  Flammability: 0  Reactivity: 0  PPI: X

LEGEND

STP Standard temperature and pressure  
W/W Weight/Weight  
0(HMIS) Minimal hazard  
1(HMIS) Slight hazard  
2(HMIS) Moderate hazard  
3(HMIS) Serious hazard  
4(HMIS) Severe hazard  
X(HMIS) Personal protection rating to be supplied by user depending on use conditions.

The opinions expressed herein are those of qualified experts within The Real Milk Paint Co. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of The Real Milk Paint Co., it is the user’s obligation to determine the conditions of safe use of this product.