# Safety Data Sheet

## 400 Manufactured Homes & RV Fibered Elastomeric Roof Coating

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name:</td>
<td>400 Manufactured Homes &amp; RV Fibered Elastomeric Roof Coating</td>
</tr>
<tr>
<td>Version:</td>
<td>2</td>
</tr>
<tr>
<td>Identifier 1:</td>
<td>Pigmented Acrylic Latex</td>
</tr>
<tr>
<td>Identifier 2:</td>
<td>400</td>
</tr>
<tr>
<td>Chemical Family:</td>
<td>Mixture</td>
</tr>
<tr>
<td>Product Use:</td>
<td>Elastomeric Roof Coating</td>
</tr>
<tr>
<td>Company Information:</td>
<td>Anvil Paints &amp; Coatings, Inc.</td>
</tr>
<tr>
<td></td>
<td>1255 Starkey Road</td>
</tr>
<tr>
<td></td>
<td>Largo, FL 33771</td>
</tr>
<tr>
<td></td>
<td>Phone: (800) 822-6776</td>
</tr>
<tr>
<td></td>
<td>Internet Address: <a href="http://www.anvilpaints.com">www.anvilpaints.com</a></td>
</tr>
<tr>
<td>Emergency Phone (24 hours)</td>
<td>CHEMTREC</td>
</tr>
<tr>
<td></td>
<td>1-800-424-9300</td>
</tr>
</tbody>
</table>

## SECTION 2: HAZARD(S) IDENTIFICATION

### Hazard Classification: Health Hazards
- Skin Irritation, Category 2
- Eye Irritation, Category 2B
- Specific Target Organ Toxicity - Single Exposure
  - Central Nervous System, Category 3

### Pictogram(s):

![Pictogram](image)

### Signal Word:
WARNING

### Hazard Statements:
- **H315**: Causes skin irritation.
- **H320**: Causes eye irritation.
- **H336**: May cause drowsiness or dizziness.

### Precautionary Statements:

#### Prevention
- **P261**: Avoid breathing dust/fumes/gas/mist/vapors/spray.
- **P264**: Wash skin thoroughly after handling.
- **P271**: Use only outdoors or in a well-ventilated area.
- **P280**: Wear protective gloves/protective clothing/eye protection/face protection.

#### Response
- **P302+352**: IF ON SKIN: Wash with soap and water.
- **P304+P340**: IF INHALED: Move person to fresh air and keep comfortable for breathing.
- **P305+351+338**: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
- **P312**: Call a POISON CENTER or doctor/physician if you feel unwell.
400 Manufactured Homes & RV Fibered Elastomeric Roof Coating

P321 - Specific treatment (see additional information on this product's label)
P333 + P313 - If skin irritation occurs: Get medical advice/attention.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing.
P363 - Wash contaminated clothing before reuse.

Storage
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

Disposal
P501 - Dispose of contents/container in accordance with local regulations.

SECTION 3
COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide (unbound)*</td>
<td>13463-67-7</td>
<td>0.00 - 5.00%</td>
</tr>
<tr>
<td>Cellulose, 2-hydroxyethyl ether</td>
<td>9004-62-0</td>
<td>&gt; 1.00%</td>
</tr>
<tr>
<td>Calcium Carbonate (unbound)*</td>
<td>1317-65-3</td>
<td>0.00 – 6.00%</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>000050-00-0</td>
<td>&gt; 1.00%</td>
</tr>
<tr>
<td>Texanol</td>
<td>25265-77-4</td>
<td>&lt; 2.00%</td>
</tr>
<tr>
<td>Acrylic Polymer Emulsion</td>
<td>122055-81-6</td>
<td>20.00 – 30.00%</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>0.00 – 5.00%</td>
</tr>
<tr>
<td>Diuron (ISO)</td>
<td>330-54-1</td>
<td>&gt; 1.00%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>40.00 – 50.00%</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

*The hazards of the listed Titanium Dioxide and Calcium Carbonate are for their powder unbound forms. When the chemicals are used in applications such as textures or coatings, the chemicals become bound and are not in their hazardous form.

SECTION 4
FIRST-AID MEASURES

Inhalation: If affected:
Move to fresh air.
Restore breathing.
Keep quiet and warm.
Consult a physician after significant exposure.

Skin Contact: Wash off with soap and plenty of water.
If symptoms persist, call a physician.

Eye Contact: Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye(s) wide open while rinsing.
If eye irritation persists, consult a specialist.

Ingestion: Clean mouth with water and drink plenty of water afterwards.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Most Important Symptoms and Effects, Both Acute and Delayed:
Possible irritant effects.

Protection of First-Aiders:
- Move out of dangerous area.
- Consult a physician.
- Show this Safety Data Sheet to the doctor in attendance.

Notes to Physician:
Treat symptomatically.

SECTION 5
FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:
Water-based coating. Will not burn under normal circumstances.

Unsuitable Extinguishing Media:
N/A

Specific Precautionary Methods:
Closed containers may explode when exposed to extreme heat. Water may be used to cool to prevent pressure build-up.

Special Protective Equipment for Firefighters:
In the event of fire, wear self-contained breathing apparatus, if appropriate.

Thermal decomposition may produce toxic fumes of Carbon Monoxide, Carbon Dioxide, and Hydrogen.

SECTION 6
ACCIDENTAL RELEASE MEASURES

Handling Precautions:
- Use personal protective equipment.
- Deny access to unprotected persons.
- Avoid breathing dust/fumes/gas/mist/vapors/spray.

Environmental Precautions:
- Do not flush into or allow chemical to enter surface water or sanitary sewer system.
- If the product contaminates rivers, lakes, or drains inform respective authorities.
- Local authorities should be advised if significant spillages cannot be contained.

Cleanup:
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, or sawdust).
- Keep in suitable, closed containers for disposal.

Regulatory Requirements:
Follow applicable OSHA regulations (29 CFR 1940.120).

SECTION 7
HANDLING AND STORAGE

Handling Precautions:
- Do not breathe vapors or spray mist.
- Avoid exceeding the given occupational exposure limits (see Section 8).
- Do not get in eyes, on skin, or on clothing.
- For personal protection, see Section 8.
- Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Smoking, eating, and drinking should be prohibited in the application area.
- Follow standard hygiene measures when handling chemical products.

Storage Requirements:
- Store in original container.
- Keep in a well-ventilated place.
- Keep container tightly closed.
- Observe label precautions.
- Store in accordance with local regulations.
## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Basis **</th>
<th>Value</th>
<th>Exposure Limit(s)* / Form of Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide (unbound)***</td>
<td>13463-67-7</td>
<td>OSHA</td>
<td>TWA</td>
<td>15 mg/m³ (Total Dust)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TLV</td>
<td>10 mg/m³ (Total Dust)</td>
</tr>
<tr>
<td>Calcium Carbonate (unbound)***</td>
<td>1317-65-3</td>
<td>OSHA</td>
<td>TWA</td>
<td>15 mg/m³ (Total Dust)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TLV</td>
<td>10 mg/m³ (Total Dust)</td>
</tr>
<tr>
<td>Diuron (ISO)</td>
<td>330-54-1</td>
<td>OSHA</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TLV</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>000050-00-0</td>
<td>OSHA</td>
<td>TWA</td>
<td>0.75 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TLV</td>
<td>NE</td>
</tr>
</tbody>
</table>

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this Safety Data Sheet.

**Basis**

ACGIH. Threshold Limit Values (TLV)
OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)
OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant
OSHA P2. Permissible Exposure Limits (PEL), Table Z-2
OSHA Z3. Table Z-3, Mineral Dust

***The hazards of the listed Titanium Dioxide and Calcium Carbonate are for their powder unbound forms. When the chemicals are used in applications such as textures or coatings, the chemicals become bound and are not in their hazardous form.

### Engineering Measures:

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

### Personal Protective Equipment:

#### Respiratory Protection

Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

#### Hand Protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

#### Eye Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

#### Skin and Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.
Hygiene Measures
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
Remove respiratory, and skin/eye protection only after vapors have been cleared from the area.
Remove contaminated clothing and protective equipment before entering eating areas.
Wash thoroughly after handling.

SECTION 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>Color:</td>
<td>White</td>
</tr>
<tr>
<td>Relative Density:</td>
<td>1.19</td>
</tr>
<tr>
<td>pH:</td>
<td>8.5 to 9.0</td>
</tr>
<tr>
<td>Odor:</td>
<td>Non-descript</td>
</tr>
<tr>
<td>Solubility:</td>
<td>100%</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>VOC:</td>
<td>145.1 g/L</td>
</tr>
</tbody>
</table>

SECTION 10  STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical Stability: The product is chemically stable.
Possibility of Hazardous Reactions: Stable under recommended storage conditions.
Conditions to Avoid: Extremes of temperature and direct sunlight, as these conditions could lead to pressure build-up in a sealed container.

SECTION 11  TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Ingredient Name</th>
<th>Acute or Chronic?</th>
<th>Oral LD$_{50}$</th>
<th>Dermal LD$_{50}$</th>
<th>Dermal LC$_{50}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>No</td>
<td>20 mg/kg (rat)</td>
<td>20,800 mg/kg (rabbit)</td>
<td>NE**</td>
</tr>
<tr>
<td>Titanium Dioxide (Unbound)*</td>
<td>Chronic (Inhalation)</td>
<td>$&gt;10,000$ mg/kg (rat)</td>
<td>$\geq 10,000$ mg/kg (hamster)</td>
<td>NE**</td>
</tr>
<tr>
<td>Calcium Carbonate (Unbound)*</td>
<td>No</td>
<td>6,450 mg/kg (rat)</td>
<td>NE**</td>
<td>NE**</td>
</tr>
<tr>
<td>Texanol</td>
<td>No</td>
<td>3,200 mg/kg (rat)</td>
<td>$&gt;20$ mL/kg (guinea pig)</td>
<td>NE**</td>
</tr>
<tr>
<td>Polyphase 663 (Diuron)</td>
<td>No Inhalation</td>
<td>4958 mg/kg (rat)</td>
<td>$&gt;5000$ mg/kg (rabbit)</td>
<td>NE**</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>Inhalation</td>
<td>1.8-4.0 mg/L (rat)</td>
<td>$&gt;2000$ mg/kg (rabbit)</td>
<td>NE**</td>
</tr>
</tbody>
</table>

*The hazards of the listed Titanium Dioxide and Calcium Carbonate are for their powder unbound forms. When the chemicals are used in applications such as textures or coatings, the chemicals become bound and are not in their hazardous form.

**NE = No Evidence

Irritation: Skin irritation. Eye irritation.

Sensitization: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
SECTION 12  ECOLOGICAL INFORMATION

Environmental Data

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>Pimephales Promelas</td>
<td>LC50; Dose: 710 mg/L; Exposure time: 96 h</td>
</tr>
<tr>
<td></td>
<td>Oncorhynchus Mykiss</td>
<td>LC50; Dose: 51,600 mg/L; Exposure time: 96 h static</td>
</tr>
<tr>
<td></td>
<td>Daphnia Magna</td>
<td>EC50; Dose: &gt; 10,000 mg/L; Exposure time: 24 h</td>
</tr>
<tr>
<td></td>
<td>Photobacterium Phosphoreum</td>
<td>EC50; Dose: 710 mg/L; Exposure time: ½ h</td>
</tr>
<tr>
<td></td>
<td>Pseudokirchneriella Subcapitata</td>
<td>EC50; Dose: 19,000 mg/L; Exposure time: 96 h</td>
</tr>
<tr>
<td>Texanol</td>
<td>Pimephales Promelas</td>
<td>LC50; Dose: 33 mg/L; Exposure time: 96 h</td>
</tr>
<tr>
<td></td>
<td>Daphnia Magna</td>
<td>EC50; Dose: 147.8 mg/L; Exposure time: 48 h</td>
</tr>
<tr>
<td></td>
<td>Pseudokirchneriella Subcapitata</td>
<td>ErC50; Dose: 15 mg/L; Exposure time: 72 h</td>
</tr>
</tbody>
</table>

Environmental Data: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any federal, state, and local requirements. This product contains material that can be hazardous to the environment.

Other Information: Do not empty into drains; dispose of this material and its container in accordance with state and local regulations. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

SECTION 13  DISPOSAL CONSIDERATIONS

Disposal Methods: Waste from Residues
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any federal, state, and local requirements.

Contaminated Packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with federal, state, and local requirements.

SECTION 14  TRANSPORT INFORMATION

DOT: Not dangerous goods.
IATA: Not dangerous goods.
IMDG: Not dangerous goods.
Non-regulated, not classified as dangerous.

SECTION 15  REGULATORY INFORMATION

TSCA List: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
### SARA 313:

<table>
<thead>
<tr>
<th>Form R-Reporting requirements</th>
<th>Product Name</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diuron (ISO)</td>
<td>3-iodo-2-propynyl butyl carbamate</td>
<td>330-54-1</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55406-53-6</td>
<td>3</td>
</tr>
<tr>
<td>Supplier Notification</td>
<td>Diuron (ISO)</td>
<td>3-iodo-2-propynyl butyl carbamate</td>
<td>330-54-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55406-53-6</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Formaldehyde</td>
<td>000050-00-0</td>
<td>5</td>
</tr>
</tbody>
</table>

### Clean Air Act:

This product contains hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61): Formaldehyde.

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

### California Prop 65:

**WARNING:** This product can expose you to chemicals including Titanium Dioxide and Formaldehyde which are known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**WARNING:** This product can expose you to chemicals including Diuron (ISO) which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### SECTION 16

#### OTHER INFORMATION

**Previous Editions:**

First Published: 03/21/2012

**Further Information:**

This SDS was prepared in accordance with OSHA regulatory standards for Toxic and Hazardous Substances: 29 CFR 1910.1200

**Disclaimer:**

This product is not intended for use in food or pharmaceuticals.

To the best of our knowledge, the information contained herein is accurate. However, Anvil Paints & Coatings, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although Anvil Paints & Coatings, Inc. has described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist.