

400 Manufactured Homes & RV Fibered Elastomeric Roof Coating

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name: 400 Manufactured Homes & RV Fibered Elastomeric Roof Coating
Version: 2
Identifier 1: Pigmented Acrylic Latex
Identifier 2: 400
Chemical Family: Mixture
Product Use: Elastomeric Roof Coating

Company Information: Anvil Paints & Coatings, Inc.
 1255 Starkey Road
 Largo, FL 33771
 Phone: (800) 822-6776
 Internet Address: www.anvilpaints.com

Emergency Phone (24 hours): CHEMTREC
 1-800-424-9300

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):



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.

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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

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

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.

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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**

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

*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.

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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

Appearance:	Liquid
Color:	White
Relative Density:	1.19
pH:	8.5 to 9.0
Odor:	Non-descript
Solubility:	100%
Flash Point:	Non-flammable
VOC:	145.1 g/L

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

Toxicity

Hazardous Ingredient Name	Acute or Chronic?	Oral LD ₅₀	Dermal LD ₅₀	Dermal LC ₅₀
Propylene Glycol	No	20 mg/kg (rat)	20,800 mg/kg (rabbit)	NE**
Titanium Dioxide (Unbound)*	Chronic (Inhalation)	> 10,000 mg/kg (rat)	≥ 10,000 mg/kg (hamster)	NE**
Calcium Carbonate (Unbound)*	No	6,450 mg/kg (rat)	NE**	NE**
Texanol	No	3,200 mg/kg (rat)	> 20 mL/kg (guinea pig)	NE**
Polyphase 663 (Diuron)	No Inhalation	4958 mg/kg (rat) >2.05g/m ³ (rat)	>5000 mg/kg (rabbit)	
Formaldehyde	Inhalation	1.8-4.0 mg/L (rat) 2974 mg/kg	>2000 mg/kg (rabbit)	

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**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**

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

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.

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SARA 313:

	Product Name	CAS Number	%
Form R-Reporting requirements	Diuron (ISO)	330-54-1	15
	3-iodo-2-propynyl butyl carbamate	55406-53-6	3
Supplier Notification	Diuron (ISO)	330-54-1	15
	3-iodo-2-propynyl butyl carbamate	55406-53-6	3
	Formaldehyde	000050-00-0	5

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.

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.

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.