

# Material Safety Data Sheet

Material Name: MANUS-BOND 67-A White, Gray and Neutral

MSDS ID: MAN-002

## \*\*\* Section 1 - Product and Company Identification \*\*\*

**Part Number:** 67-A Latex caulk White, Gray and Neutral

**Material Name:** MANUS-BOND 67-A White

**Product Use:** Acrylic latex sealant

### Manufacturer Information

Manus Products, Inc.  
866 Industrial Blvd. West  
Waconia, MN 55387

Phone: (952) 442-3323

Emergency # : CHEMTREC (800) 424-9300

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

This material is a water based paste of varying colors with an acrylic latex odor.

### Potential Health Effects: Eyes

This product may cause irritation to the eyes.

### Potential Health Effects: Skin

This product may cause irritation to the skin.

### Potential Health Effects: Ingestion

Ingestion of large amounts may cause irritation, nausea, vomiting, and constipation.

### Potential Health Effects: Inhalation

Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

### Medical Conditions Aggravated by Exposure

Respiratory disorders

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
7732-18-5	Water	30-60
Not Available	Acrylic polymers	40-70
1317-65-3	Calcium Carbonate	40-60
107-21-1	Ethylene glycol	0.1-1
1336-21-6	Ammonium hydroxide	0.1-1
85-68-7	Benzyl Ester	<10
13463-67-7	Titanium Dioxide*	<10

\*TiO2 is in White and Gray only. Neutral Color does NOT contain TiO2

### Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: C9 through C18 Aliphatic hydrocarbons, Mineral turpentine, Alkylphenol ethoxylates, Ammonia compounds, Aldehydes, Acrylates.

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### First Aid: Skin

Wash affected area with mild soap and water. If irritation persists, get medical attention.

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## First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel.

## First Aid: Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. Seek medical attention.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

Slight fire hazard.

### Hazardous Combustion Products

Oxides of calcium, oxides of carbon.

### Extinguishing Media

Dry chemical, carbon dioxide, water spray, regular foam.

### Unsuitable Extinguishing Media

None known.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus. Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

## NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Contain the discharged material. Block any potential routes to water systems.

### Clean-Up Procedures

Thoroughly wash the area with water after a spill or leak clean-up.

### Evacuation Procedures

None necessary.

### Special Procedures

No additional information available.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Avoid contact with skin and eyes. Do not ingest. Wash thoroughly after handling. Keep out of reach of children.

### Storage Procedures

Do not freeze. Store between 40-120 °F (4-49 °C). Store away from incompatible materials.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### A: Component Exposure Limits

#### Ethylene glycol (107-21-1)

ACGIH: 100 mg/m<sup>3</sup> Ceiling aerosol only

OSHA: 50 ppm Ceiling; 125 mg/m<sup>3</sup> Ceiling

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## Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

## PERSONAL PROTECTIVE EQUIPMENT

### Personal Protective Equipment: Eyes/Face

Wear safety glasses.

### Personal Protective Equipment: Skin

Use impervious gloves.

### Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

### Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

## \* \* \* Section 9 - Physical and Chemical Properties \* \* \*

<b>Appearance:</b>	Paste of varying colors	<b>Odor:</b>	Acrylic latex
<b>Physical State:</b>	Paste	<b>pH:</b>	Not determined
<b>Vapor Pressure:</b>	<11 mmHg	<b>Vapor Density:</b>	(Air=1) >1
<b>Boiling Point:</b>	>300 °F (>149 °C)	<b>Melting Point:</b>	>400 °F (>204 °C)
<b>Solubility (H2O):</b>	Disperses	<b>Specific Gravity:</b>	(Water=1) 1.57
<b>Freezing Point:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>VOC:</b>	Not available	<b>Viscosity:</b>	Not available
<b>Octanol/H2O Coeff.:</b>	Not available	<b>Flash Point:</b>	>200 °F (>93 °C)
<b>Flash Point Method:</b>	TOC	<b>Upper Flamm. Limit (UFL):</b>	6% (component)
<b>Lower Flamm. Limit (LFL):</b>	1% (component)	<b>Burning Rate:</b>	Not available
<b>Auto Ignition:</b>	Not available		

## \* \* \* Section 10 - Stability and Reactivity \* \* \*

### Chemical Stability

Stable under normal conditions.

### Chemical Stability: Conditions to Avoid

Avoid excessive heat and ignition sources.

### Incompatibility

Acids, strong oxidizing agents.

### Hazardous Decomposition

Oxides of calcium, oxides of carbon.

### Possibility of Hazardous Reactions

Will not polymerize.

## \* \* \* Section 11 - Toxicological Information \* \* \*

### Acute Dose Effects

#### A: General Product Information

Ingestion of large amounts may cause irritation, nausea, vomiting, and constipation.

#### B: Component Analysis - LD50/LC50

##### Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

### Repeated Dose Effects

None identified.

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## Irritation

Contact with skin and eyes may cause irritation. Inhalation of dust from dried material may cause irritation.

## Corrosivity

None identified.

## Carcinogenicity

### A: General Product Information

Product contains titanium dioxide, however it is essentially bound in the acrylic latex matrix and significant inhalation exposure is not expected.

### B: Component Carcinogenicity

#### Ethylene glycol (107-21-1)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

#### Titanium dioxide (13463-67-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen

IARC: Monograph 93 [in preparation]; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

## Mutagenicity

None identified.

## Developmental Effects

None identified.

## Neurological Effects

None identified.

## Sensitization

None identified.

## Target Organ Effects

None identified.

## \* \* \* Section 12 - Ecological Information \* \* \*

## Ecotoxicity

### A: General Product Information

Components of this material may be harmful to aquatic life.

### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Ethylene glycol (107-21-1)

Duration/Test/Species	Concentration/Conditions/Notes
96 Hr LC50 Oncorhynchus mykiss	41000 mg/L
96 Hr LC50 Oncorhynchus mykiss	14-18 ml/L [static]
96 Hr LC50 Lepomis macrochirus	27540 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	40761 mg/L [static]
96 Hr LC50 Pimephales promelas	40000-60000 mg/L [static]
96 Hr LC50 Poecilia reticulata	16000 mg/L [static]
48 Hr EC50 Daphnia magna	46300 mg/L
96 Hr EC50 Pseudokirchneriella subcapitata	6500 - 13000 mg/L

#### Ammonium hydroxide (1336-21-6)

Duration/Test/Species	Concentration/Conditions/Notes
96 Hr LC50 Pimephales promelas	8.2 mg/L

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48 Hr EC50 water flea 0.66 mg/L  
48 Hr EC50 Daphnia pulex 0.66 mg/L

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

### Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.  
See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

### Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

#### Ethylene glycol (107-21-1)

SARA 313: 1.0 % de minimis concentration  
CERCLA: 5000 lb final RQ; 2270 kg final RQ

#### Ammonium hydroxide (1336-21-6)

CERCLA: 1000 lb final RQ; 454 kg final RQ

### SARA 311/312 Hazardous Categories (40 CFR 370 Subparts B and C)

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No

### State Regulations

#### A: General Product Information

Other state regulations may apply. Check individual state requirements.

#### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Ethylene glycol	107-21-1	Yes	Yes	Yes	Yes	Yes	Yes
Ammonium hydroxide	1336-21-6	Yes	Yes	No	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

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## Canadian WHMIS Information

### A: General Product Information

Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

### B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

**WHMIS Classification:** No classification assigned.

## Additional Regulatory Information

### A: Component Analysis - Inventory

Component	CAS #	TSCA	CAN
Water	7732-18-5	Yes	DSL
Ethylene glycol	107-21-1	Yes	DSL
Ammonium hydroxide	1336-21-6	Yes	DSL

### B: TSCA 12(b) Export Notification

There are no components on the TSCA 12(b) list.

## \* \* \* Section 16 - Other Information \* \* \*

### MSDS History

MSDS: December 2012

### Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CAN = Canada; CAS = Chemical Abstracts Service; DOT = Department of Transportation; DSL = Domestic Substances List; IARC = International Agency for Research on Cancer; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average; VOC = Volatile Organic Compound

### Other Information

This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard). This product has been evaluated in accordance with Canada's Controlled Products Regulations. Disclaimer: Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.