

1. PRODUCT AND COMPANY IDENTIFICATION**1.2. Product identifiers**

Product name: GAF M-Bond Adhesive Sealant

1.3. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Sealant

1.4. Details of the supplier of the safety data sheet

Supplier : GAF
1 Campus Drive,
Parsippany, NJ 07054
USA

Telephone : 877-GAF-ROOF

1.5. Emergency telephone number

24 Hour Emergency Phone #: 800-424-9300 (ChemTrec)

2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin sensitization Category 1B

Serious eye damage/eye irritation Category 2A

Pictogram:

Signal word: Warning

Hazard statement(s)

Causes serious eye irritation.

May cause an allergic skin reaction.

Precautionary statement(s)

Obtain, read and follow all safety instructions before use.

Wash hands thoroughly after handling.

Wear protective gloves / eye protection / face protection.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

If on skin: Wash with plenty of water. Specific treatment (see on this label).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

CARCINOGENICITY: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

CHEMICAL NAME	CAS #	WT %
Aminoethyl aminopropyl trimethoxy silane	1760-24-3	0.5-2
Vinyltrimethoxysilane	2768-02-7	0.5-2
Dibutyltin oxide	818-08-6	0.25-0.75

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

4. FIRST AID MEASURES

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

In case of skin contact

Remove contaminated clothing. If on skin, wash off immediately with soap and plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition may release irritating, corrosive and/or toxic gases, vapors and fumes.

5.3 Advice for firefighters

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

5.4 Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up with a non-combustible absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see section 13).

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use with adequate ventilation. Keep away from heat, sparks and open flame. -No smoking. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Apply good hygienic practices.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from open flames and high temperatures. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Chemical Name	CAS#	ACGIH TLV	OSHA TWA	NIOSH REL
Methanol	67-56-1	200 ppm	200 ppm	NA
1,2-Ethylenediamine	107-15-3	10 ppm	10 ppm	NA
Tin, organic compounds (as Sn)	NA	0.1 mg/m ³	0.1mg/m ³	0.1 mg/m ³

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses or chemical goggles as appropriate to prevent eye contact.

Skin protection

Handle with gloves. Wash and dry hands.

Body Protection

Use body protection appropriate to prevent contact (e.g. lab coat, overalls).

Respiratory protection

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Paste
APPEARANCE & ODOR:	Gray with a mild hydrocarbon odor
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Available
DENSITY:	1.4 g/cm ³
EVAPORATION RATE (nBuAc = 1):	Not Available
BOILING POINT (F°):	Not Available
FREEZING POINT (F°):	Not Available
pH:	Not Available
VISCOSITY, Dynamic	Not Available
SOLUBILITY IN WATER:	Insoluble
FLASH POINT:	Not Established
AUTOIGNITION TEMPERATURE:	446 deg°F
LEL	Not Established
UEL	Not Established
VOC	<150 g/L

10. STABILITY AND REACTIVITY

- 10.1 **Reactivity**
No data available
- 10.2 **Chemical stability**
Stable under recommended storage conditions.
- 10.3 **Possibility of hazardous reactions**
None known.
- 10.4 **Conditions to avoid**
Avoid heat, flame and sparks.
- 10.5 **Incompatible materials**
Strong oxidizing agents.
- 10.6 **Hazardous decomposition products**
None known.

11. TOXICOLOGICAL INFORMATION

- 11.1 **Information on toxicological effects Acute toxicity**
Toxicity data is not available for this product.

SUSPECTED CANCER AGENT: One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are considered to be, or suspected to be a cancer-causing agent by these agencies - Titanium Dioxide.

Irritancy of product

Contact with this product can be irritating to exposed skin and eyes.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No specific data is currently available on this product's effects on plants or animals.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste disposal methods**

Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14. TRANSPORT INFORMATION**DOT (US)**

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

15. REGULATORY INFORMATION**SARA 313 REPORTING:**

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: Yes Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lb. (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None known

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):

Titanium Dioxide

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Complies with WHMIS 2015

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
U.S. TSCA:	Listed

16. OTHER INFORMATION

HMIS Rating

Health hazard:	2
Chronic Health Hazard:	0
Flammability:	1
Physical Hazard	0

NFPA Rating

Health hazard:	2
Fire Hazard:	1
Reactivity Hazard:	0

ADDITIONAL COMMENTS:

None.

DATE OF PREVIOUS SDS:

March 2018

CHANGES SINCE PREVIOUS SDS:

Updates to Section 2, 3 and 8.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.