SAFETY DATA SHEET SDS # 2205

1. PRODUCT AND COMPANY IDENTIFICATION

1.2. Product identifiers

Product name: M-Thane One-Part Pourable 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:	Not Available
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:	Not Available
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**
None under recommended storage and handling condition.

10.5 **Incompatible materials**
None known.

10.6 **Hazardous decomposition products**
None known.

11. TOXICOLOGICAL INFORMATION

Ingestion No information available.
Inhalation No information available.
Skin contact May cause an allergic skin reaction.
Eye contact Causes serious eye irritation.

Numerical measures of toxicity

Chemical Name	Oral LD_{50}	Dermal LD_{50}	Inhalation LC_{50}
Aminoethyl aminopropyl trimethoxy silane (CAS NO# 1760-24-3)	2,995 mg/kg (rat)	> 2,000 mg/kg (rabbit)	No information available
Vinyltrimethoxysilane (CAS NO# 2768-02-7)	7.34 mL/kg (rat)	3,460 - 4,000 mg/kg (rabbit)	2773 ppm, 4h, vapor
Dibutyltin oxide (CAS NO# 818-08-6)	172 mg/kg (rat)	No information available	No information available

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
May causes damage to organs through prolonged or repeated exposure.

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

Ecotoxicity
Numerical measures of toxicity

Chemical Name	Test	Species	Test Results
Aminoethyl aminopropyl trimethoxy silane (CAS# 1760-24-3)	Fish LC_{50}	Bluegill *(Lepomis macrochirus)*	> 100 mg/L
	Crustacean EC_{50}	Water flea *(Daphnia magna)*	87.4 mg/L, 48h
	Algae EC_{50}	Green microalgae *(Pseudokirchneriella subcapitata)*	8.8 mg/L, 96h
	Algae NOEC	Green microalgae *(Pseudokirchneriella subcapitata)*	3.1 mg/L
Dibutyltin oxide (CAS# 818-08-6)	Fish LC_{50}	Generic fish	1 mg/L, 48h
	Crustacean EC_{50}	Water flea *(Daphnia magna)*	2 mg/L, 48h
	Algae EC_{50}	Green algae *(Desmodesmus subspicatus)*	≥ 1.6 mg/L,72h

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):
None known.

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 if 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.