



GAF
Safety Data Sheet
SDS # 1057
SDS Date: July 2022

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Flexseal Sealant
MANUFACTURER: GAF
ADDRESS: 1 Campus Drive, Parsippany, NJ 07054
24-HOUR EMERGENCY PHONE (CHEMTREC): 800 – 424 – 9300
INFORMATION ONLY: 877-GAF-ROOF
PREPARED BY: Corporate EHS

SECTION 2: HAZARDS IDENTIFICATION

NFPA and HMIS RATINGS:

	NFPA Hazard Rating		HMIS Hazard Rating
Health	2	Health	2
Flammable	2	Flammable	2
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Flammable Liquid - Category 2
Acute Toxicity - Category 4
Reproductive Toxicity – Category 2
Skin Irritant - Category 2
Respiratory Irritant
Target Organ (SE) - Category 3
Target Organ (RE) - Category 2
Eye damage - Category 1
Carcinogenicity - Category 2
Mutagenicity - Category 2
Haz.to the Aquatic Env. (chronic) - Category 3

GHS PICTOGRAMS:



SIGNAL WORD: Danger

HAZARD STATEMENTS: Highly flammable liquid and vapor.
Causes serious eye irritation or damage.
May cause respiratory irritation.
Harmful if inhaled.
Harmful in contact with skin.
May be fatal if swallowed or enters airways.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.
Suspecting of damaging fertility or the unborn child.
May cause genetic defects.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from open flames. - No smoking.
Keep container tightly closed.
Do not breathe fume, gas, vapors.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use carbon dioxide (CO₂), foam, dry extinguishing powder to extinguish.
Dispose of contents and empty containers in accordance with local, state, and federal regulations.
Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**PRIMARY ROUTE OF EXPOSURE:** Eye contact, Skin contact, Inhalation**SIGNS & SYMPTOMS OF EXPOSURE**

- EYES:** This material causes eye irritation. Contact with the liquid or exposure to mist or vapor may cause stinging, redness and swelling.
- SKIN:** This material may cause mild skin irritation. Prolonged contact may cause redness, burning and drying or cracking of the skin. Skin absorption may produce systemic toxicity.
- INGESTION:** Harmful or fatal if swallowed. Can enter lungs and cause damage. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.
- INHALATION:** High concentrations of vapor or mist may cause irritation of the nose and throat and signs of nervous system depression. Can cause headaches, drowsiness, dizziness, and loss of coordination. May affect liver, kidneys and respiratory system.
- ACUTE HEALTH HAZARDS:** See above.
- CHRONIC HEALTH HAZARDS:** None known.
- CARCINOGENICITY:** IARC has determined that occupational exposure to Titanium Dioxide is possibly carcinogenic to humans (Group 2B).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Calcium carbonate	1317-65-3	30-40	NE5 mg/m ³ – resp. 15 mg/m ³ – total	3 mg/m ³ – resp. 10 mg/m ³ – total	REL: 5 mg/m ³ – resp. 10 mg/m ³ – total
Xylene	1330-20-7	10-20	100 ppm	100 ppm 125 ppm STEL	REL: 100 ppm 125 ppm STEL
Titanium dioxide	13463-67-7	5-10	15 mg/m ³ – total	10 mg/m ³ – total	NE
Toluene	108-88-3	1-5	200 ppm 300 ppm ceiling	20 ppm	REL: 100 ppm 150 ppm STEL

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

NE = Not Established

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYES:	Flush eyes immediately with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician.
SKIN:	Remove contaminated clothes. Wash exposed areas with soap and water. If redness or swelling develops, seek medical assistance. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
INHALATION:	Remove to fresh air. If breathing has stopped, give artificial respiration. Call a physician.
INGESTION:	Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Do not give mouth-to-mouth resuscitation. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:	Symptoms may be delayed.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:	Water spray, water fog, CO ₂ , dry chemical powder, and foam.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide and carbon monoxide.
RECOMMENDED FIRE FIGHTING PROCEDURES:	Self contained breathing apparatus recommended. Use water spray to cool unopened containers.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition. Do not use a solid water stream as it may scatter and spread fire. Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Eliminate all ignition sources (no smoking, flares, sparks or flames in the immediate area). Extinguish all flames in the vicinity. Dam up area to prevent spreading of material. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Cover with plastic sheet to prevent spreading. Collect spillage. Prevent product from entering drains. Do not allow material to contaminate groundwater system.
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SECTION 7: HANDLING AND STORAGE**HANDLING AND STORAGE:**

Store in a well ventilated area, between 50 and 80°F. Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Do not breathe fume, spray, or vapor. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Take all necessary technical measures to avoid or minimize the release of the product on the workplace.

OTHER PRECAUTIONS:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product, Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS / VENTILATION:**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure limits.

RESPIRATORY PROTECTION:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE PROTECTION:

Safety goggles or safety glasses with side shields.

SKIN PROTECTION:

Wear appropriate impermeable gloves and protective clothing as necessary to prevent skin contact.

OTHER PROTECTIVE EQUIPMENT:

None.

WORK HYGIENIC PRACTICES:

Wash exposed skin prior to eating, drinking, or smoking and at the end of each shift.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Heavy white paste with a solvent odor.		
FLASH POINT:	79 °F	LOWER EXPLOSIVE LIMIT:	1.1%
METHOD USED:	TCC	UPPER EXPLOSIVE LIMIT:	6.6%
EVAPORATION RATE:	0.8	BOILING POINT:	No data
pH (undiluted product):	No data	MELTING POINT:	No data

SOLUBILITY IN WATER:	No data	SPECIFIC GRAVITY:	1.24
VAPOR DENSITY:	3.7	PERCENT VOLATILE:	No data
VAPOR PRESSURE:	6.6 kPa at 20 °C	MOLECULAR WEIGHT:	No data
VOC (g/L):	<300		

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: **STABLE X** **UNSTABLE**

CONDITIONS TO AVOID: Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon dioxide or carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATIONAcute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
toluene	LC50 Inhalation Vapor	Rat	28830 ppm	1 hours
	LC50 Inhalation Vapor	Rat	49 g/m ³	4 hours

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes	-
	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Eyes - Severe irritant	Rabbit	-	870 ug	-
		Rabbit	-	24 hours 2 mg	-
	Skin - Mild irritant	Pig	-	24 hours 250 mg	-
	Skin - Mild irritant	Rabbit	-	435 mg UI	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Rabbit	-	500 mg	-	

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-

SECTION 12: ECOLOGICAL INFORMATIONToxicity

Product/ingredient name	Result	Species	Exposure
toluene	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Daphnia magna	21 days

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
toluene	2.73	90	low

Toxicity

Product/ingredient name	Result	Species	Exposure
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable local, state and Federal regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

SECTION 14: TRANSPORTATION INFORMATION**DOT**

Unregulated If individual container size is less than 5.0 liters (1.3 gallons), the proper shipping name is: Limited Quantity per DOT 173.150.

>1.3 Gallons:

UN number	UN1993
UN proper shipping name	Flammable liquids n.o.s. (toluene, xylene)
Packing group	III

IATA

UN number	UN1993
UN proper shipping name	Flammable liquids n.o.s. (toluene, xylene)
Hazard Air Class	3
Packing group	III

IMDG

UN Number	UN1993
UN proper shipping name	Flammable liquids n.o.s. (toluene, xylene)
Hazard Class	3
Packing group	III
EmS-No	F-E, S-D

SECTION 15: REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS**

TSCA: This product and its components are listed on the TSCA 8(b) inventory.

CERCLA: Not applicable.

SARA

311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard, Fire Hazard

313 REPORTABLE INGREDIENTS: Not applicable.

CALIFORNIA PROPOSITION 65: Titanium dioxide
Toluene

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: July 2019

CHANGES SINCE PREVIOUS SDS: Product name change, DOT shipping.

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.