

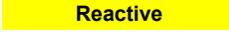


SECTION 1: PRODUCT AND COMPANY INFORMATION

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

SECTION 2: HAZARDS IDENTIFICATION

NFPA and HMIS RATINGS:

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

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Flammable Liquid - Category 3
 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
 Harmful to the Aquatic Environment (long term) - Category 3

GHS PICTOGRAMS:



SIGNAL WORD: Danger

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

PRECAUTIONARY STATEMENTS: Obtain, read and follow all safety instructions before use.
Keep away from heat/sparks/open flames/hot surfaces – no smoking.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands thoroughly after handling.
Do not touch eyes.
Do not breath dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

PRIMARY ROUTE OF EXPOSURE: Eye contact, Skin contact, Inhalation

SIGNS & SYMPTOMS OF EXPOSURE

EYES: This material is an eye irritant. 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 and/or vomiting occurs. 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). IARC concluded lung tumors were observed in rats following high dose exposure by inhalation and in female rats exposed by intra-tracheal instillation. Other studies have shown no tumors in rats following inhalation exposure and no tumors in mice or rats following oral exposure.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Calcium Carbonate	1317-65-3	30 – 40	5 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
Toluene	108-88-3	2 – 5	200 ppm 300 ppm ceiling	20 ppm	REL: 100 ppm 150 ppm STEL
Titanium Dioxide	13463-67-7	2 – 5	15 mg/m ³ – total	10 mg/m ³ – total	NE

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. Call a physician.
- SKIN:** Remove contaminated clothes. Wash exposed areas with soap and water. If redness or swelling develops, seek medical assistance.
- INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. Call a physician.
- INGESTION:** Do not induce vomiting. Contact physician immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat systematically.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:	Water fog, carbon dioxide, and foam.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide and carbon monoxide.
RECOMMENDED FIRE FIGHTING PROCEDURES:	Self contained breathing apparatus recommended.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Dam up area to prevent spreading of material. Use absorbent material to soak up product. Shut off all sources of open flames, electrical sparks, or static electricity.
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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	Store in a well ventilated area, 50 – 80 °F.
OTHER PRECAUTIONS:	Avoid open flames, electrical sparks or static electricity.

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:	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
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:	Not applicable.
WORK HYGIENIC PRACTICES:	Wash exposed skin prior to eating, drinking, or smoking and at the end of each shift. Do not eat, drink, or smoke during use.

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:	280 °F
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 @ 20 °C	MOLECULAR WEIGHT:	No data
VOC (g/L):	295		

SECTION 10: STABILITY AND REACTIVITY**THERMAL STABILITY:****STABLE** X**UNSTABLE** **CONDITIONS TO AVOID (STABILITY):**

None known.

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 INFORMATION**TOXICOLOGICAL INFORMATION:****Xylene**

LC50 Inhalation Vapor	Rat	5000 ppm	4 hours
LC50 Inhalation Vapor	Rat	6700 ppm	4 hours
LD50 Oral	Mouse	2119 mg/kg	
LD50 Oral	Rat	4300 mg/kg	
LD50 Oral	Rat	4300 mg/kg	

Inhalation

Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.

Skin contact

Harmful in contact with skin. Causes skin irritation.

Eye contact

Causes serious eye irritation.

Ingestion

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Respiratory sensitisation

Not a respiratory sensitizer.

Skin sensitisation

This product is not expected to cause skin sensitisation

Aspiration hazard

May be fatal if swallowed and enters airways.

Chronic effects

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Toluene

LC50 Inhalation Vapor	Rat	>20 mg/l	4 hours
LD50 Dermal	Rabbit	12267 mg/kg	
LD50 Oral	Rat - Male	5580 mg/kg	
TDL _o Oral	Rat	0.65 g/kg	
TDL _o Oral	Rat	1000 mg/kg	

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness. - Central nervous system

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure. - Central nervous system

Aspiration hazard

Aspiration hazard, Aspiration may cause pulmonary edema and pneumonitis.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Xylene

Acute	EC50	90 mg/l	Fresh water	Crustaceans - Cypris subglobosa	48 hours
Acute	LC50	8.5 ppm	Marine water	Crustaceans - Palaemonetes pugio	48 hours
Acute	LC50	8500 µg/l	Marine water	Crustaceans - Palaemonetes pugio	48 hours
Acute	LC50	15700 µg/l	Fresh water	Fish - Lepomis macrochirus	96 hours
Acute	LC50	19000 µg/l	Fresh water	Fish - Lepomis macrochirus	96 hours
Acute	LC50	13400 µg/l	Fresh water	Fish - Pimephales promelas	96 hours

Toluene

Flow-through test LC50 - Oncorhynchus kisutch (coho salmon) - 5.5 mg/l - 96 h

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material is hazardous to the aquatic environment. Keep out of sewers and waterways. Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORTATION INFORMATION**DOT**

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

IATA

UN number	UN1307
UN proper shipping name	Xylenes
Hazard Class	3
Packing group	III
Description	UN1107, Xylenes, 3, III

IMDG

UN number	UN1307
UN proper shipping name	Xylenes
Hazard Class	3
Packing group	III
EmS-No	F-E, S-D
Description	UN1107, Xylenes, 3, III

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

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

CERCLA: CERCLA Hazardous Substances (40 CFR 302)

Reportable Quantity – Components

Xylene, 1330-20-7, 1000 lbs.
Toluene: 108-88-3, 1000 lbs.

SARA

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

313 REPORTABLE INGREDIENTS: Xylene 1330-20-7, 10 – 20%
Toluene 108-88-3, 2 – 10%

CALIFORNIA PROPOSITION 65: This product contains titanium dioxide, a chemical known to the state of California to cause cancer and toluene, a chemical known to the state of California to cause birth defects, or other reproductive harm.

Other state regulations may apply. Check individual state requirements. The following components appear on one or more of the following state hazardous substances lists:

Chemical Name	CAS #	CA	MA	MN	NJ	PA	RI
Calcium Carbonate	1317-65-3	No	Yes	Yes	No	Yes	Yes
Xylene	1330-20-7	Yes	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes	Yes
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: July 2019

CHANGES SINCE PREVIOUS SDS: Numerous section updates.

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.