# GAF
# Safety Data Sheet
# SDS # 3096
# SDS Date: November 2015

## SECTION 1: PRODUCT AND COMPANY INFORMATION

| | |
|---|---|
| **PRODUCT NAME:** | FlexSeal Caulk Grade Sealant |
| **TRADE NAME:** | N/A |
| **CHEMICAL NAME / SYNONYM:** | N/A |
| **CHEMICAL FAMILY:** | N/A |
| **MANUFACTURER:** | GAF |
| **ADDRESS:** | 1 Campus Drive, Parsippany, NJ 07054 |
| **24-HOUR EMERGENCY PHONE (CHEMTREC):** | 800 – 424 – 9300 |
| **INFORMATION ONLY:** | 800 – 766 – 3411 |
| **PREPARED BY:** | Corporate EHS |
| **APPROVED 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 – Cateogry2
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
Hazardous to the Aquatic Environment (chronic) - Category 2

**GHS PICTOGRAMS:** 

**SIGNAL WORD:** Danger

**HAZARD STATEMENTS:**
Highly flammable liquid an vapor
Causes skin irritation
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
Ma cause drossiness or dizziness
Toxic to aquatic life with long lasting effects

**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:** Studies in humans have found that exposure to respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis is a serious and irreversible disease; it may be progressive even after exposure has ceased; it can lead to disability and death. Human studies also have found that silicosis is a risk factor for tuberculosis, and that occupational exposure to respirable crystalline silica is associated with chronic obstructive pulmonary disease, including bronchitis and emphysema. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney

diseases and end-stage kidney disease in workers exposed to respirable crystalline silica.

**CARCINOGENICITY:**

IARC has determined that occupational exposure to Ethylbenzene 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.

Occupational exposure to respirable crystalline silica is classified as a known carcinogen in humans. IARC has determined that respirable crystalline silica is carcinogenic to humans (Group 1), based on findings of sufficient evidence of carcinogenicity in both humans and experimental animals. NTP has classified respirable crystalline silica as a known human carcinogen based on sufficient evidence of carcinogenicity from studies in humans indicating a causal relationship between exposure to respirable crystalline silica and increased lung cancer rates in workers exposed to crystalline silica dust. NIOSH has determined that respirable crystalline silica is a potential occupational carcinogen.

The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite. In addition, IARC has determined that there is sufficient evidence for the carcinogenicity of quartz and cristobalite in experimental animals. Among individuals with silicosis, lung cancer occurs more frequently in those who smoke.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| | | | OCCUPATIONAL EXPOSURE LIMITS | | |
|---|---|---|---|---|---|
| **CHEMICAL NAME** | **CAS #** | **% (BY WT)** | **OSHA** | **ACGIH** | **OTHER** |
| Calcium Carbonate | 1317-65-3 | 30 – 40 | 5 mg/m3 – resp.<br>15 mg/m3 – total | 3 mg/m3 – resp.<br>10 mg/m3 – total | REL: 5 mg/m3 – resp.<br>10 mg/m3 – total |
| Xylene | 1330-20-7 | 10 – 20 | 100 ppm | 100 ppm<br>125 ppm STEL | REL: 100 ppm<br>125 ppm STEL |
| Polybutene | 9003-29-6 | 2 – 10 | NE | NE | NE |
| Ethylbenzene | 100-41-4 | 2 – 10 | 100 ppm | 100 ppm<br>125 ppm STEL | REL: 100 ppm<br>125 ppm STEL |
| Toluene | 108-88-3 | 2 – 10 | 200 ppm<br>300 ppm ceiling | 20 ppm | REL: 100 ppm<br>150 ppm STEL |

| | | | | | |
|---|---|---|---|---|---|
| Styrene-alphamethylstyrene resin | 9011-11-4 | 2 – 10 | NE | NE | NE |
| Crystalline Silica | 14808-60-7 | 0 – 1 | 10 mg/m3 / (% SiO2 + 2) – resp. | 0.025 mg/m3 | REL: 0.05 mg/m3 – resp. |
| Non-hazardous ingredients | n/a | 20 – 30 | NE | NE | NE |

**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:** None.

## SECTION 5: FIRE FIGHTING PROCEDURES

**SUITABLE EXTINGUISHING MEDIA:** Water, fog, $CO_2$, 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 dry up liquid. Shut off all sources of open flames, electrical sparks, or static electricity.

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Store in a well ventilated area, 50 – 80 $^{o}$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:** Use NIOSH-approved 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:** N/A

**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 paint thinner odor. | | |
| **FLASH POINT:** | 79 $^{o}$F | **LOWER EXPLOSIVE LIMIT:** | 1.1% |
| **METHOD USED:** | TCC | **UPPER EXPLOSIVE LIMIT:** | 6.6% |
| **EVAPORATION RATE:** | 0.8 | **BOILING POINT:** | 280 $^{o}$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 $^{o}$C | **MOLECULAR WEIGHT:** | No data |
| **VOC WITH WATER (LBS/GAL):** | No data | **WITHOUT WATER (LBS/GAL):** | No data |

## 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:** No information available.

## SECTION 12: ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** This product, as supplied, is regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. If discarded in its purchased form, this product is a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or residue of the product remains classified a hazardous waste as per 40 CFR 261, Subpart C. State or local regulations may also apply if they differ from the federal regulation.

**RCRA HAZARD CLASS:** D001, Ignitable Hazardous Waste

## SECTION 14: TRANSPORTATION INFORMATION

**U.S. DOT TRANSPORTATION**

**PROPER SHIPPING NAME:** Coating Solution

| | |
|---|---|
| **HAZARD CLASS:** | 3 |
| **ID NUMBER:** | UN1139 |
| **PACKING GROUP:** | III |
| **LABEL STATEMENT:** | N/A |
| **OTHER:** | N/A |

## 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.
Ethyl Benzene: 100-41-4, 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%
Ethyl Benzene 100-41-4, 2 – 10%

**CALIFORNIA PROPOSITION 65:** This product contains a chemical known to the state of California to cause cancer and 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 |
| Polybutene | 9003-29-6 | No | No | No | No | No | No |
| Ethylbenzene | 100-41-4 | Yes | Yes | Yes | Yes | Yes | Yes |
| Toluene | 108-88-3 | Yes | Yes | Yes | Yes | Yes | Yes |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Styrene-alphamethylstyrene resin | 9011-11-4 | No | No | No | No | No | No |
| Titanium Dioxide | 13463-67-7 | No | No | Yes | Yes | Yes | Yes |
| Crystalline Silica | 14808-60-7 | Yes | Yes | Yes | Yes | Yes | Yes |

## SECTION 16: OTHER INFORMATION

**ADDITIONAL COMMENTS:** None

**DATE OF PREVIOUS SDS:** December 2014

**CHANGES SINCE PREVIOUS SDS:** Conversion to Quest product