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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** TOPCOAT® FlexSeal Sealant  
**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

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**SECTION 2: HAZARDS IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

	NFPA Hazard Rating		HMIS Hazard Rating
<b>Health</b>	2	<b>Health</b>	2
<b>Flammable</b>	2	<b>Flammable</b>	2
<b>Reactive</b>	0	<b>Reactive</b>	0
<b>Special Hazards</b>	-	<b>Personal Protection</b>	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  
Hazardous to the Aquatic Environment (chronic) - Category 2

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.  
 Suspected of damaging fertility or the unborn child.  
 May cause genetic defects.  
 May cause drowsiness or dizziness.  
 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

Keep away from heat/sparks/open flames/hot surfaces – no smoking.  
 Keep out of reach of children.  
 Keep container tightly closed.  
 Read label before use.  
 Do not handle until all safety precautions have been read and understood.  
 In case of fire use a dry chemical fire extinguisher for extinction.  
 Wear protective rubber gloves and ANSI approved safety glasses when handling this product.  
 Dispose of contents and empty containers in accordance with local, state, and federal regulations.

**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.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**


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CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Calcium Carbonate	1317-65-3	30 – 40	5 mg/m <sup>3</sup> – resp. 15 mg/m <sup>3</sup> – total	3 mg/m <sup>3</sup> – resp. 10 mg/m <sup>3</sup> – total	REL: 5 mg/m <sup>3</sup> – resp. 10 mg/m <sup>3</sup> – 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 – 10	200 ppm 300 ppm ceiling	20 ppm	REL: 100 ppm 150 ppm STEL
Titanium Dioxide	13463-67-7	2-5	15 mg/m <sup>3</sup> – total	10 mg/m <sup>3</sup> – total	NE
Fumed Silica	112945-52-5	0 – 1	NE	NE	NE
Non-hazardous ingredients	n/a	22– 51	NE	NE	NE

**NE = Not Established**

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**SECTION 4: FIRST AID MEASURES**


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**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.

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**SECTION 5: FIRE FIGHTING PROCEDURES**

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<b>SUITABLE EXTINGUISHING MEDIA:</b>	Water, fog, CO <sub>2</sub> , and foam.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon dioxide and carbon monoxide.
<b>RECOMMENDED FIRE FIGHTING PROCEDURES:</b>	Self contained breathing apparatus recommended.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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<b>ACCIDENTAL RELEASE MEASURES:</b>	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.
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**SECTION 7: HANDLING AND STORAGE**

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

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

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<b>ENGINEERING CONTROLS / VENTILATION:</b>	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure limits.
<b>RESPIRATORY PROTECTION:</b>	Use NIOSH-approved respirator.
<b>EYE PROTECTION:</b>	Safety goggles or safety glasses with side shields.
<b>SKIN PROTECTION:</b>	Wear appropriate impermeable gloves and protective clothing as necessary to prevent skin contact.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	N/A
<b>WORK HYGIENIC PRACTICES:</b>	Wash exposed skin prior to eating, drinking, or smoking and at the end of each shift.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE & ODOR:	Heavy white paste with a solvent odor.		
FLASH POINT:	79 °F / 26 °C	LOWER EXPLOSIVE LIMIT:	1.1%
METHOD USED:	TCC	UPPER EXPLOSIVE LIMIT:	6.6%
EVAPORATION RATE:	0.8	BOILING POINT:	280 °F /138 °C
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 WITH WATER (LBS/GAL):	No data	WITHOUT WATER (LBS/GAL):	No data

**SECTION 10: STABILITY AND REACTIVITY**

THERMAL STABILITY: STABLE  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:** Follow all Federal, state and local regulations.

**SECTION 14: TRANSPORTATION INFORMATION****DOT**

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

**IATA**

**UN number** UN1307  
**UN proper shipping name** Xylenes  
**Hazard Class** 3  
**Packing group** III  
**Description** UN1307, 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** UN1307, 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 a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm (toluene, titanium dioxide).

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
Fumed Silica	112945-52-5	No	No	No	No	No	No

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#### SECTION 16: OTHER INFORMATION

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**ADDITIONAL COMMENTS:** None

**DATE OF PREVIOUS SDS:** December 2014

**CHANGES SINCE PREVIOUS SDS:** Updated Section 2, 3, and 14.

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This information relates to the specific material designated and may not be valid for such material used on 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.