



GAF Materials Corporation
Material Safety Data Sheet
MSDS # 1057
MSDS Date: October 2013

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TOPCOAT® FlexSeal, TOPCOAT® FlexSeal Roof Sealant, TOPCOAT® FlexSeal LV

TRADE NAME: N/A

CHEMICAL NAME / SYNONYM: N/A

CHEMICAL FAMILY: N/A

MANUFACTURER: GAF Materials Corporation

ADDRESS: 1361 Alps Road, Wayne, NJ 07470

24-HOUR EMERGENCY PHONE (CHEMTREC): 800 – 424 – 9300

INFORMATION ONLY: 800 – 766 – 3411

PREPARED BY: Corporate EHS

APPROVED BY: Corporate EHS

NFPA Hazard Rating

HMIS Hazard Rating

Health	2	Health	2
Flammable	3	Flammable	3
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

OSHA HAZARDOUS: Yes No

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	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

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Polybutene	9003-29-6	2 – 10	NE	NE	NE
Ethylbenzene	100-41-4	2 – 10	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
Styrene- alphamethylstyrene resin	9011-11-4	2 – 10	NE	NE	NE
Titanium Dioxide	13463-67-7	2 – 10	15 mg/m3 – total	10 mg/m3 – total	REL: lowest feasible concentration
Non-hazardous ingredients	n/a	20 – 30	NE	NE	NE

NE = Not Established

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE: Eye contact, Skin contact, Skin absorption, 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: Excessive exposure can cause pulmonary edema.

CHRONIC HEALTH HAZARDS: Respiratory or lung disorders may be aggravated by exposure to this material.

CARCINOGENICITY:

IARC has determined that occupational exposure to Titanium Dioxide and Ethylbenzene are 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 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, CO₂, 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 °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.

EXPOSURE GUIDELINES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Heavy white paste with paint thinner 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 WITH WATER (LBS/GAL):	No data	WITHOUT WATER (LBS/GAL):	No data

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.
Cancer: Ethyl Benzene. Reproductive: Toluene.

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-alpha-methylstyrene resin	9011-11-4	No	No	No	No	No	No
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: February 2011

CHANGES SINCE PREVIOUS MSDS: Added IARC information.

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.