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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** Topcoat Surface Seal SB Primer  
**TRADE NAME:** 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

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**SECTION 2: HAZARD IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

	NFPA Hazard Rating		HMIS Hazard Rating
<b>Health</b>	3	<b>Health</b>	3
<b>Flammable</b>	3	<b>Flammable</b>	3
<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 3  
Eye Irritant - Category 2A  
Skin Irritant - Category 2  
Target Organ (SE) - Category 3  
Target Organ (RE) - Category 1  
Carcinogen - Category 1B  
Germ cell mutagenicity - Category 1B  
Reproductive toxicity - Category 2  
Aspiration toxicity - Category 1  
Hazardous to the Aquatic Environment (chronic) - Category 2  
Hazardous to the Aquatic Environment (acute) - Category 2



SIGNAL WORD: Danger

HAZARD STATEMENTS: Flammable liquid and vapor  
May cause respiratory irritation  
May cause cancer  
May cause genetic defects  
Causes skin irritation  
Harmful if inhaled  
Causes eye irritation  
May be fatal if swallowed or enters airways  
Repeated exposure may cause skin dryness and cracking  
May cause drowsiness or dizziness  
Suspected of damaging fertility or the unborn child  
Toxic 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 heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools. Take precautionary measures against static discharge.  
Do not breathe mist/vapors/spray.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wash hands and any possibly exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment

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#### ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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 and kidney function. Could also cause damage to the respiratory system and have myocardial effects.

ACUTE HEALTH HAZARDS: See above.

**CHRONIC HEALTH HAZARDS:** None known.

**CARCINOGENICITY:** Titanium Dioxide is classified as a 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Light aromatic petroleum naphtha	64742-95-6	30 – 40	NE	NE	NE
Calcium Carbonate	1317-65-3	10 – 20	5 mg/m <sup>3</sup> – resp.	5 mg/m <sup>3</sup> – resp.	REL: 5 mg/m <sup>3</sup> – resp.
Titanium Dioxide	13463-67-7	5 – 10	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
Non-hazardous ingredients	Not Applicable	30 – 45	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. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

**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>	For small fires, Class B fire extinguishing media such as CO <sub>2</sub> , dry chemical, foam (AFFF/ATC) or water spray can be used. For large fires, water spray, fog or foam (AFFF/ATC) can be used.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon dioxide and carbon monoxide.
<b>RECOMMENDED FIRE FIGHTING PROCEDURES:</b>	Self-contained breathing apparatus and full turn-out gear are 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. Avoid release to the environment. Avoid subsoil penetration.
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**SECTION 7: HANDLING AND STORAGE**

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<b>HANDLING AND STORAGE:</b>	Store in properly closed containers that are appropriately labeled and in a cool, well-ventilated area. Do not store near an open flame, heat or other sources of ignition.
<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>	NIOSH approved organic vapor chemical cartridge should be worn for exposures to any components exceeding the established exposure limits.
<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.

**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**

<b>APPEARANCE &amp; ODOR:</b>	Heavy white liquid with a paint thinner odor (may be colored).		
<b>FLASH POINT:</b>	105 °F	<b>LOWER EXPLOSIVE LIMIT:</b>	0.5%
<b>METHOD USED:</b>	PMCC	<b>UPPER EXPLOSIVE LIMIT:</b>	6.0%
<b>EVAPORATION RATE:</b>	0.37	<b>BOILING POINT:</b>	310 – 355 °F
<b>pH (undiluted product):</b>	No data	<b>MELTING POINT:</b>	No data
<b>SOLUBILITY IN WATER:</b>	Insoluble	<b>SPECIFIC GRAVITY:</b>	1.21
<b>VAPOR DENSITY:</b>	4.2	<b>PERCENT VOLATILE:</b>	No data
<b>VAPOR PRESSURE:</b>	2.9	<b>MOLECULAR WEIGHT:</b>	No data
<b>VOC WITH WATER (LBS/GAL):</b>	No data	<b>WITHOUT WATER (LBS/GAL):</b>	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.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**TOXICOLOGICAL INFORMATION:**

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified:**

**Acute oral toxicity :** LD50 Oral (Rat): > 5,000 mg/kg

**Acute inhalation toxicity :** LC50 (Rat): > 76.3 mg/l

**Exposure time:** 4 h

**Acute dermal toxicity :** LD50 Dermal (Rabbit): > 2,000 mg/kg

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:**

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified:**

**Toxicity to fish :** LC50 (Pimephales promelas (fathead minnow)): 8.2 mg/l

**Exposure time:** 96 h

**Toxicity to daphnia and other aquatic invertebrates**

: EC50 (Daphnia magna (Water flea)): 4.5 mg/l

**Exposure time:** 48 h

**Toxicity to algae :** EC50 (Selenastrum capricornutum (green algae)): 3.1 mg/l

**Exposure time:** 72 h

**Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)**

: EC50 (Daphnia magna (Water flea)): 10 mg/l

**Exposure time:** 21 d

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and Federal regulations.

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**SECTION 14: TRANSPORTATION INFORMATION**

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**U.S. DOT TRANSPORTATION**

**PROPER SHIPPING NAME:** Coating Solution

**HAZARD CLASS:** 3

**ID NUMBER:** UN 1139

**PACKING GROUP:** III

**LABEL STATEMENT:** N/A

**OTHER:** N/A

**IATA**

**PROPER SHIPPING NAME:** Coating Solution  
**HAZARD CLASS:** 3  
**ID NUMBER:** UN 1139  
**PACKING GROUP:** III  
**LABEL STATEMENT:** N/A  
**OTHER:** N/A

**IMDG**

**PROPER SHIPPING NAME:** Coating Solution  
**HAZARD CLASS:** 3  
**ID NUMBER:** UN 1139  
**PACKING GROUP:** III  
**LABEL STATEMENT:** N/A  
**EmS CODE:** F-E, S-E

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**

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

**CERCLA:** None.

**SARA**

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

**313 REPORTABLE INGREDIENTS:** None.

**CALIFORNIA PROPOSITION 65:** This product contains titanium dioxide, a chemical known to the state of California to cause cancer.

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
Light aromatic petroleum naphtha	64742-95-6	No	No	No	No	No	No
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes
Calcium Carbonate	1317-65-3	No	Yes	Yes	No	Yes	Yes

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**SECTION 16: OTHER INFORMATION**


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**ADDITIONAL COMMENTS:** None.

**DATE OF PREVIOUS SDS:** December 2013

**CHANGES SINCE PREVIOUS SDS:** Updates to Sections 2, 3, 11 and 12.

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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.