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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** TOPCOAT® EnergyCote™  
**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

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**SECTION 2: HAZARDS IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

	NFPA Hazard Rating		HMIS Hazard Rating
	2		2
	0		0
	0		0
<b>Special Hazards</b>	-	<b>Personal Protection</b>	X

**GHS LABEL ELEMENTS:**

**GHS CLASSIFICATION:** Target Organ (RE) - Category 1  
Target Organ (SE)-Category 3  
Eye Irritant - Category 2A  
Skin Irritant - Category 2  
Acute Toxicity - Category 4  
Respiratory Irritant  
Carcinogenicity - Category 2  
Hazardous to the Aquatic Environment (chronic) - Category 4

## GHS PICTOGRAMS:



**SIGNAL WORD:** Danger

**HAZARD STATEMENTS:** May cause damage to organs through prolonged or repeated exposure  
Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation  
Suspected of causing cancer  
May cause genetic defects  
May be toxic to aquatic life with long lasting effects

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**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**

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

**SIGNS & SYMPTOMS OF EXPOSURE**

**EYES:** Irritation and itching.

**SKIN:** Slight irritation to the skin and itching.

**INGESTION:** Not likely to occur.

**INHALATION:** Irritation of nasal passages, throat and lungs. Can cause headaches and nausea.

**ACUTE HEALTH HAZARDS:** Slight irritation.

**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
Titanium Dioxide	13463-67-7	20 – 40	15 mg/m <sup>3</sup> – total	10 mg/m <sup>3</sup> – total	REL: lowest feasible concentration
Aluminum Trihydrate	21645-51-2	10 – 30	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	n/a	60 – 75	NE	NE	NE

NE = Not Established

**SECTION 4: FIRST AID MEASURES****FIRST AID PROCEDURES**

- EYES:** Flush eyes with water for 15 minutes. If irritation occurs, consult a physician.
- SKIN:** Wash skin with soap and water.
- INHALATION:** Remove patient to an area that has fresh air. If breathing has stopped administer artificial respiration. Call physician immediately.
- INGESTION:** Call physician immediately. Do not induce vomiting. Give 2 glasses of water to drink. Do not give anything by mouth to an unconscious person.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** None known.

**SECTION 5: FIRE FIGHTING PROCEDURES**

- SUITABLE EXTINGUISHING MEDIA:** Water spray, CO<sub>2</sub>, dry chemical or foam.
- HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide and carbon monoxide.
- RECOMMENDED FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus recommended.
- UNUSUAL FIRE & EXPLOSION** None known.

**HAZARDS:**

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:** Dam up area to prevent spreading. Caution – area may be slippery. Use absorbent material to dry up the wet compound. Provide ventilation in closed areas.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Store at 50 – 80 °F.

**OTHER PRECAUTIONS:** Protect from freezing. Product will freeze at 32 °F and will be rendered useless.

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

**ENGINEERING CONTROLS / VENTILATION:** For outdoor use. Provide ventilation as necessary to maintain exposure below occupational exposure limits.

**RESPIRATORY PROTECTION:** Use in ventilated area. Use particulate filter respirator in misty conditions.

**EYE PROTECTION:** Safety glasses with side shields.

**SKIN PROTECTION:** Impervious gloves.

**OTHER PROTECTIVE EQUIPMENT:** N/A

**WORK HYGIENIC PRACTICES:** Wash and launder clothing after use. Wash affected skin with warm water and soap.

**EXPOSURE GUIDELINES:** N/A

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE &amp; ODOR:</b>	White liquid with acrylic odor.		
<b>FLASH POINT:</b>	N/A (water based product)	<b>LOWER EXPLOSIVE LIMIT:</b>	No data

<b>METHOD USED:</b>	CC	<b>UPPER EXPLOSIVE LIMIT:</b>	No data
<b>EVAPORATION RATE:</b>	> 1	<b>BOILING POINT:</b>	212 °F
<b>pH (undiluted product):</b>	10 +/- 1.5	<b>MELTING POINT:</b>	No data
<b>SOLUBILITY IN WATER:</b>	Yes	<b>SPECIFIC GRAVITY:</b>	1.0 – 1.3
<b>VAPOR DENSITY:</b>	> 1	<b>PERCENT VOLATILE:</b>	35 – 40
<b>VAPOR PRESSURE:</b>	17 mm Hg	<b>MOLECULAR WEIGHT:</b>	No data
<b>VOC WITH WATER (LBS/GAL):</b>	0.1	<b>WITHOUT WATER (LBS/GAL):</b>	31

**SECTION 10: STABILITY AND REACTIVITY**THERMAL STABILITY:    **STABLE**     **UNSTABLE** 

CONDITIONS TO AVOID (STABILITY):                        NA

INCOMPATIBILITY (MATERIAL TO AVOID):                None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:        Carbon monoxide and carbon dioxide.

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 not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource

Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal.

RCRA HAZARD CLASS: None

## SECTION 14: TRANSPORTATION INFORMATION

### U.S. DOT TRANSPORTATION

**PROPER SHIPPING NAME:** This product is not classified as a hazardous material for transport.

**HAZARD CLASS:** N/A

**ID NUMBER:** N/A

**PACKING GROUP:** N/A

**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:** None.

### SARA

**311/312 HAZARD CATEGORIES:** Acute Health Hazard

**313 REPORTABLE INGREDIENTS:** None.

**CALIFORNIA PROPOSITION 65:** None.

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
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes
Aluminum Trihydrate	21645-51-2	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:** October 2013

**CHANGES SINCE PREVIOUS SDS:** Headquarters Address Change

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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.