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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** Topcoat EPDM System Cleaner  
**TRADE NAME:** N/A  
**CHEMICAL NAME /  
SYNONYM:** N/A  
**CHEMICAL FAMILY:** Mixture  
**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
	3		3
	0		0
	0		0
<b>Special Hazards</b>	-	<b>Personal Protection</b>	X

**GHS LABEL ELEMENTS:**

**GHS CLASSIFICATION:** Target Organ (SE) - Category 3  
Eye Irritant - Category 2A  
Eye Damage - Category 1  
Skin Corrosive - Category 1B  
Metal Corrosive - Category 1  
Aspiration Toxicity - Category 1

GHS PICTOGRAMS: 

SIGNAL WORD: Danger

HAZARD STATEMENTS: Causes skin irritation  
 Causes serious eye irritation or damage  
 May cause severe skin burns  
 May be corrosive to metals  
 May cause respiratory irritation

**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**

PRIMARY ROUTE OF EXPOSURE: Inhalation, Skin Contact, Eye Contact

**SIGNS & SYMPTOMS OF EXPOSURE**

EYES: May cause corrosion to eyes, burns and permanent eye injury.

SKIN: May cause slight skin irritation.

INGESTION: May be harmful if swallowed. May cause irritation of the mouth, throat, and stomach.

INHALATION: Inhalation of vapor or mist can cause irritation to the nose, throat and lungs.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: None expected.

CARCINOGENICITY: Not considered a carcinogenic by NTP, IARC, and OSHA

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

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Sodium metasilicate	6834-92-0	4 <= 6	NE	NE	NE
Inorganic Salt	Trade Secret	3 - 5	NE	NE	NE
Anionic/nonionic surfactant mixture	Trade Secret	1 - 3	NE	NE	NE
Water	7732-18-5	87 – 89	NE	NE	NE

**NE = Not Established**

**SECTION 4: FIRST AID MEASURES**

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**FIRST AID PROCEDURES**

<b>EYES:</b>	Flush with warm water for 15 minutes and seek immediate medical attention.
<b>SKIN:</b>	Wash with soap and water for 15 minutes. If irritation persists, contact a physician.
<b>INHALATION:</b>	Move victim to fresh air. If breathing has stopped, give artificial respiration. Seek immediate medical attention.
<b>INGESTION:</b>	Do not induce vomiting. Drink 1 to 2 glasses of water. Get immediate medical attention and advise the physician of the nature of the material. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clear.
<b>NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:</b>	None.

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**SECTION 5: FIRE FIGHTING PROCEDURES**

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<b>SUITABLE EXTINGUISHING MEDIA:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Combustion generates the following: carbon dioxide, carbon monoxide
<b>RECOMMENDED FIRE FIGHTING PROCEDURES:</b>	Wear self-contained breathing apparatus with pressure-demand, full face piece SCBA and full protective gear.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Closed containers may rupture via pressure build-up when exposed to fire or extreme heat. During a fire, irritating and highly toxic gasses and/or fumes may be generated during combustion or decomposition. Move containers promptly out of the fire zone. If removal is impossible, cool containers with water spray. Remain up wind. Avoid breathing smoke. Contain run-off.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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<b>ACCIDENTAL RELEASE MEASURES:</b>	<i>Personal Precautions:</i> Appropriate protective equipment must be worn when handling a spill of this material. Refer to section 8 for the appropriate recommendation. If exposed to the material during clean-up activities, refer to section 4 for the steps to follow.  <i>Environmental Precautions:</i> Warning: Keep spills of this product as
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supplied out of the municipal sewers and open bodies of water. Do not discharge cleaning runoffs directly to open bodies of water.

*Spill Clean-Up Procedure:* 1.) Evacuate personnel to safe areas 2.) Ventilate the areas. Warning; the floor may be slippery. 3.) Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 4.) Sweep up or vacuum up spillage and collect in a suitable container for disposal. Warning; avoid all contact.

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## SECTION 7: HANDLING AND STORAGE

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### HANDLING AND STORAGE:

*Handling:* Vapors can be evolved when material is heated during processing operations. Refer to Section 8, for types of ventilation required. Wash after handling and shower at the end of a work period.

*Storage:* Storage conditions; Avoid temperatures extremes during storage; ambient temperatures are preferred. Store out of direct sunlight in a cool place. Keep containers tightly closed in a cool, well-ventilated place. Do not store this materials in containers made of aluminum.

### OTHER PRECAUTIONS:

Containers may be hazardous when empty. Since emptied containers retain product residue, follow all SDS and label warning even after the container is emptied.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS / VENTILATION:

Use local exhaust ventilation with a minimum capture velocity of 100/ft./min (0.5 m/sec) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienist for information on the design, installation, use and maintenance of exhaust systems.

### RESPIRATORY PROTECTION:

A respirator protection program meeting OSHA 1919.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant respirator use. None required under normal operating conditions. Whenever vapors and/or mists may occur, wear a properly fitted NIOSH approved (or equivalent) half-face air purifying respirator. Air-purifying respirators should be equipped with NIOSH approved organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

### EYE/FACE PROTECTION:

Use chemical splash goggles with a face shield (ANSI Z87.1 or equivalent). Eye protection worn must be compatible with the respiratory system employed.

**SKIN PROTECTION:** Chemical resistant gloves should be worn whenever this material is handled. The gloves (s) listed below may provide protection against permeation. (Gloves or other chemically resistant materials may not provide adequate protection). Nitrile rubber, butyl rubber gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. Gloves should be decontaminated before discarding.

**OTHER PROTECTIVE EQUIPMENT:** Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**WORK HYGIENIC PRACTICES:** Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse. A source of clean water should be available to flush eyes and skin.

**EXPOSURE GUIDELINES:** N/A

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE &amp; ODOR:</b>	Light pink liquid with a mild sweet odor.		
<b>FLASH POINT:</b>	Non Combustible	<b>LOWER EXPLOSIVE LIMIT:</b>	Not Applicable
<b>METHOD USED:</b>	NA	<b>UPPER EXPLOSIVE LIMIT:</b>	Not Applicable
<b>EVAPORATION RATE:</b>	<1.00 Water	<b>BOILING POINT:</b>	212°F
<b>pH (undiluted product):</b>	13.0 -13.5	<b>MELTING POINT:</b>	32°F
<b>SOLUBILITY IN WATER:</b>	Complete	<b>SPECIFIC GRAVITY:</b>	No data
<b>VAPOR DENSITY:</b>	No data	<b>PERCENT VOLATILE:</b>	87 – 89%
<b>VAPOR PRESSURE:</b>	17.00 mmHg @ 68°F	<b>MOLECULAR WEIGHT:</b>	No data
<b>VOC WITH WATER (LBS/GAL):</b>	No data	<b>WITHOUT WATER (LBS/GAL):</b>	No data

Note: The physical data presented above are typical values and should not be construed as a specification.

**SECTION 10: STABILITY AND REACTIVITY**

**THERMAL STABILITY:** STABLE  UNSTABLE

**CONDITIONS TO AVOID (STABILITY):** None

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents, acids, bases and aluminum.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** There are no known hazardous decomposition products for this material.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Effects	Data
Acute Inhalation toxicity	LC 50 rat 4 Hour >5mg/l aerosol
Acute dermal toxicity	LD 50 rat >2,000 mg/kg
Skin irritation	Rabbit slight irritation
Eye irritation	Rabbit Corrosive
Teratogenicity	Data for a component in the product. Dermal exposure has caused developmental toxicity effects in animals in the absence of material toxicity; however, the observed effects are common finding in rate development toxicity studies and are not necessarily a manifestation of a teratogenic effect.

Component: Sodium Metasilicate: Acute oral toxicity: LD 50 rat 1,152 -1,349 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### ECOLOGICAL INFORMATION:

Toxicity Effects	Data
Toxicity to fish	LC 50 Rainbow trout 96 Hour OECD Test Guideline 203 or Equivalent > 1,000mg/l
Toxicity to fish	NOEC Rainbow trout 96 Hour OECD Test Guideline 203 or Equivalent 500mg/l
Toxicity to algae	EC 50 Algae 96 Hour OECD test Guideline 201 or Equivalent >1,000 mg/l based on cell density, growth rate and biomass.
Toxicity to algae	NOEC Algae 96 Hour OECD test Guideline 201 or Equivalent 1,000 mg/l based on cell density, growth rate and biomass.
Toxicity to algae	EC 50 Algae 96 Hour OECD test Guideline 201 or Equivalent 250 mg/l based on biomass.
Toxicity to aquatic invertebrates	EC 50 Daphnia magna 48 Hour OECD Test Guideline 202 or Equivalent <1,000 mg/l
Toxicity to aquatic invertebrates	NOEC Daphnia magna 48 Hour OECD Test Guideline 202 or Equivalent 500 mg/l

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Incinerate liquid and contaminated soils in accordance with local, state and federal regulations.

**RCRA HAZARD CLASS:** D002, characteristic hazardous waste, corrosive

**SECTION 14: TRANSPORTATION INFORMATION**

**U.S. DOT TRANSPORTATION**

**PROPER SHIPPING NAME:** Caustic alkali liquids, n.o.s. (sodium metasilicate)

**HAZARD CLASS:** 8

**ID NUMBER:** UN1719

**PACKING GROUP:** III

**LABEL STATEMENT:** N/A

**OTHER:** N/A

**CLASSIFICATION FOR SEA TRANSPORT (IMO-IMDG):** **PROPER SHIPPING NAME:** Caustic alkali liquids, n.o.s. (sodium metasilicate)

**HAZARD CLASS:** 8

**ID NUMBER:** UN 1719

**PACKING GROUP:** III

**SECTION 15: REGULATORY INFORMATION**

<b>U.S. FEDERAL REGULATIONS</b>	
<b>OSHA</b>	This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>TSCA:</b>	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act.

<b>CERCLA:</b>	CERCLA Hazardous Substances (40 CFR 302)  This material is or contains a chemical listed in 40 CFR Table 302.4 or non-designated RCRA ICR Substance(s). (Non-designated ICR substances apply to materials that will not be reused) The Reportable Quantity(s) (RQ) are listed below. Released in excess of its reportable quantity must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.
<b>SARA</b>	
<b>311/312 HAZARD CATEGORIES:</b>	Acute Health Hazard
<b>313 REPORTABLE INGREDIENTS:</b>	This product does not contain any components with known CAS numbers that exceed the de Minimis threshold for reporting levels as established by SARA Title III.
<b>CALIFORNIA PROPOSITION 65:</b>	None

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**SECTION 16: OTHER INFORMATION**


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**ADDITIONAL COMMENTS:** N/A

**DATE OF PREVIOUS SDS:** Febuary 2014

**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.