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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** XR-2000

**MANUFACTURER:** GAF

**ADDRESS:** 1 Campus Drive, Parsippany, NJ 07054

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

**INFORMATION ONLY:** 877-GAF-ROOF

**PREPARED BY:** Corporate EHS

**APPROVED BY:** Corporate EHS

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**SECTION 2: HAZARD IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

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

**GHS LABEL ELEMENTS:**

**GHS CLASSIFICATION:** Eye Irritant - Category 2A  
Skin Irritant - Category 2  
Carcinogen - Category 2  
Acute Toxicity - Category 4  
Hazardous to the Aquatic Environment (acute) - Category 2

GHS PICTOGRAMS:



SIGNAL WORD: Warning

HAZARD STATEMENTS:

Causes skin irritation  
 Causes serious eye irritation  
 May cause respiratory irritation  
 Harmful if inhaled or swallowed  
 Suspected of causing cancer  
 Toxic to aquatic life

PRECAUTIONARY STATEMENTS:

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 [In case of inadequate ventilation] wear respiratory protection.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or physician if you feel unwell.  
 IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin  
 with plenty of soap and water. Take off contaminated clothing and wash it before  
 If skin irritation occurs: Get medical attention.  
 Get medical advice/attention if you feel unwell.  
 Take off contaminated clothing and wash it before reuse.

**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**

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

**SIGNS & SYMPTOMS OF EXPOSURE**

EYES: Exposure to vapors can cause conjunctivitis or irritation to the eyes.

SKIN: Prolonged contact can cause irritation of the skin.

INGESTION: Not expected to be ingested.

INHALATION: Inhalation of high vapor or mist concentrations can cause headaches and nausea. It may also cause irritation of throat, nose and lungs.

ACUTE HEALTH HAZARDS: Excessive exposure can cause pulmonary edema.

CHRONIC HEALTH HAZARDS: Diethylene glycol monomethyl ether has been reported to cause slight toxic effects to the fetus at doses non-toxic to the mother following skin contact. Birth defects have been reported in laboratory animals only following high oral doses, exposures which have little relevance to potential human exposure.

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	5 – 15	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
Titanium Dioxide	13463-67-7	5 – 15	15 mg/m <sup>3</sup> – total	10 mg/m <sup>3</sup> – total	REL: lowest feasible concentration
Zinc Oxide	1314-13-2	1 – 10	5 mg/m <sup>3</sup> – resp. 15 mg/m <sup>3</sup> – total	2 mg/m <sup>3</sup> – resp. 10 mg/m <sup>3</sup> – resp. STEL	REL: 5 mg/m <sup>3</sup> , 15 mg/m <sup>3</sup> – ceiling
Diethylene glycol monomethyl ether	111-77-3	1 – 10	NE	NE	NE
Sodium Nitrite	7632-00-0	1 – 10	NE	NE	NE
Non-hazardous ingredients	n/a	60 – 75	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 with water for 15 minutes. If irritation persists, call a physician.
- SKIN:** Wash area thoroughly with soap and water.
- INHALATION:** Remove person to an area that has fresh air. If breathing has stopped, administer artificial respiration. Contact physician immediately.
- INGESTION:** If patient is awake, induce vomiting by giving two glasses of water and pressing down at back of throat. Call physician immediately. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** No information available.

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**SECTION 5: FIRE FIGHTING PROCEDURES**

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<b>SUITABLE EXTINGUISHING MEDIA:</b>	Water spray, CO <sub>2</sub> , Dry chemical or 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>	None known.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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<b>ACCIDENTAL RELEASE MEASURES:</b>	Caution – spill area will be slippery. Dam up area to prevent spreading. Eliminate all open flames, electrical sparks or static electricity. Use absorbing material to dry up compound.
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**SECTION 7: HANDLING AND STORAGE**

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

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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 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose in accordance with all applicable local, state and Federal regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

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

Not regulated.

**IATA**

Not regulated.

**IMDG**

Not regulated.

**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, Chronic Health Hazard

**313 REPORTABLE INGREDIENTS:** None

**CALIFORNIA PROPOSITION 65:** This product can expose you to chemicals including titanium dioxide, which is 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
Calcium Carbonate	1317-65-3	No	Yes	Yes	No	Yes	Yes
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes
Zinc Oxide	1314-13-2	Yes	No	Yes	Yes	Yes	Yes
Diethylene glycol monomethyl ether	111-77-3	No	Yes	No	No	No	No

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Sodium Nitrite	7632-00-0	Yes	Yes	Yes	Yes	No	No
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**SECTION 16: OTHER INFORMATION**

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**ADDITIONAL COMMENTS:** None

**DATE OF PREVIOUS SDS:** July 2017

**CHANGES SINCE PREVIOUS SDS:** GHS update.

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