



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TOPCOAT® XR-2000
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	1	Flammable	1
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X
OSHA HAZARDOUS:	Yes X		No <input type="checkbox"/>

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Calcium Carbonate	1317-65-3	5 – 15	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
Titanium Dioxide	13463-67-7	5 – 15	15 mg/m ³ – total	10 mg/m ³ – total	REL: lowest feasible concentration

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Zinc Oxide	1314-13-2	1 – 10	5 mg/m ³ – resp. 15 mg/m ³ – total	2 mg/m ³ – resp. 10 mg/m ³ – resp. STEL	REL: 5 mg/m ³ , 15 mg/m ³ – 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

SECTION 3: HAZARDS IDENTIFICATION

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

SECTION 4: FIRST AID MEASURES

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.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Water spray, CO₂, Dry chemical or foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide and carbon monoxide.

RECOMMENDED FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus recommended.

UNUSUAL FIRE & EXPLOSION HAZARDS: None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: 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.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a well ventilated area at 50 – 80 °F.

OTHER PRECAUTIONS: Avoid open flames and electrical sparks.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	White liquid with ammonia odor.		
FLASH POINT:	207 °F	LOWER EXPLOSIVE LIMIT:	1.38%
METHOD USED:	COC	UPPER EXPLOSIVE LIMIT:	22.7%
EVAPORATION RATE:	1.0	BOILING POINT:	212 °F
pH (undiluted product):	No data	MELTING POINT:	No data
SOLUBILITY IN WATER:	Dilutable in water	SPECIFIC GRAVITY:	1.23
VAPOR DENSITY:	No data	PERCENT VOLATILE:	No data
VAPOR PRESSURE:	No data	MOLECULAR WEIGHT:	No data
VOC WITH WATER (LBS/GAL):	No data	WITHOUT WATER (LBS/GAL):	No data

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY:	STABLE <input checked="" type="checkbox"/> X	UNSTABLE <input type="checkbox"/>
CONDITIONS TO AVOID (STABILITY):	None known	
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong oxidizing agents.	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Carbon dioxide and carbon monoxide.	

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, Chronic 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
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
Sodium Nitrite	7632-00-0	Yes	Yes	Yes	Yes	No	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: December 2008

CHANGES SINCE PREVIOUS MSDS: Updated section 9 and DOT information in section 14.

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.

