

TopCoat® CRT White

Material Safety Data Sheet

Updated: 12/08



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GAF Materials Corporation
Material Safety Data Sheet
MSDS # 2055
MSDS Date: December 2008

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TOPCOAT® CRT White
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	1	Health	1
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
Aluminum Trihydrate	21645-51-2	30 – 40	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
Zinc Oxide	1314-13-2	2 – 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

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	%(BY WT)	OSHA	ACGIH	OTHER
Titanium Dioxide	13463-67-7	2 – 10	15 mg/m ³ – total	10 mg/m ³ – total	REL: lowest feasible concentration
Ethylene Glycol	107-21-1	2 – 10	NE	100 ppm – ceiling	NE
Non-hazardous ingredients	-	40 – 55	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 irritation to the eyes.

SKIN: Slight irritation of the skin. Prolonged contact can cause reddening of the skin.

INGESTION: Not expected to be ingested.

INHALATION: Vapor or mist can cause headaches, dizziness or nausea. Also irritation of the throat and nose.

ACUTE HEALTH HAZARDS: Excessive exposure can cause pulmonary edema.

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 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:	Excessive exposure can cause pulmonary edema.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:	Water spray, CO ₂ , 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

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Dam up area to prevent spreading. Caution – area will be slippery. Use absorbent material to dry up the compound. Provide ventilation in closed areas.
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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	Store in a well ventilated area at 50 – 80 °F.
OTHER PRECAUTIONS:	Protect from freezing.

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.
EXPOSURE GUIDELINES:	N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Heavy white liquid with ammonia odor.		
FLASH POINT:	> 240 °F	LOWER EXPLOSIVE LIMIT:	No data
METHOD USED:	TCC	UPPER EXPLOSIVE LIMIT:	No data
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:	1.48
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):	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
Aluminum Trihydrate	21645-51-2	No	No	No	No	No	No
Zinc Oxide	1314-13-2	Yes	No	Yes	Yes	Yes	Yes
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes
Ethylene Glycol	107-21-1	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION**ADDITIONAL COMMENTS:** None**DATE OF PREVIOUS MSDS:** June 2003**CHANGES SINCE PREVIOUS MSDS:** Changed to the ANSI 16 section MSDS format.

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.