



GAF Materials Corporation
Material Safety Data Sheet
MSDS # 1058
MSDS Date: December 2008

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TOPCOAT® Precote
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: Randy Redwine
APPROVED BY: Phil Curry

NFPA Hazard Rating

HMIS Hazard Rating

Health	2	Health	2
Flammable	3	Flammable	3
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

OSHA HAZARDOUS: Yes No

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	%(BY WT)	OSHA	ACGIH	OTHER
Toluene	108-88-3	46-54	200 ppm	20 ppm	REL: 100 ppm
Heptane	142-82-5	16-24	500 ppm	400 ppm	REL: 85 ppm

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Non-Hazardous Ingredients	N/A	22-28	NE	NE	NE

NE= Not Established

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE: Skin Absorption, Inhalation, and Ingestion

SIGNS & SYMPTOMS OF EXPOSURE

EYES: Vapors can cause irritation of the eyes. Over exposure can cause swelling or reddening of the eyes. Direct contact can cause stinging, burning and swelling of the eyes.

SKIN: Drying and irritation may occur. Prolonged contact can cause drying and cracking of the skin. This product may be absorbed through the skin.

INGESTION: Harmful or fatal if swallowed and/or vomiting occurs. Can enter lungs and cause damage or lung inflammation. Do not induce vomiting.

INHALATION: If adequate ventilation is not provided; headaches, dizziness and nausea may occur in some individuals. Over exposure can cause signs of nervous system depression.

ACUTE HEALTH HAZARDS: See above

CHRONIC HEALTH HAZARDS: Prolonged occupational overexposure or intentional misuse of toluene has been reported to cause permanent nervous system damage.

CARCINOGENICITY: None Listed

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYES: Flush eyes with water for 15 minutes. If irritation or reddening persists, call physician.

SKIN: Wash with soap and water.

INHALATION: Move the individual to an area with fresh air or provide oxygen immediately, call physician.

INGESTION: If swallowed, contact physician immediately. Do not induce vomiting. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Water, Dry chemical, CO₂, of foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide and carbon monoxide

RECOMMENDED FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS: Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Dam up area to prevent spreading of material. Provide ventilation. Extinguish all open flames and avoid electrical sparks. Dry up the compound using an absorbent material.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a well ventilated area at temperatures between 50 - 80° F. Avoid open flames or electrical spark sources. Container should be grounded when pouring.

OTHER PRECAUTIONS: The container is hazardous when empty. Partially full or emptied container may contain explosive vapors. Do not cut, weld or solder on or near the container. Do not reuse "empty" container without commercial cleaning or reconditioning.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Provide sufficient mechanical ventilation to maintain exposure below exposure limits.

RESPIRATORY PROTECTION:	Use NIOSH approved organic vapor cartridge type respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).
EYE PROTECTION:	Safety goggles or safety glasses with side shields.
SKIN PROTECTION:	Wear appropriate impermeable gloves 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:	Clear to amber solution with paint thinner odor.		
FLASH POINT:	25° F	LOWER EXPLOSIVE LIMIT:	1.0
METHOD USED:	TCC	UPPER EXPLOSIVE LIMIT:	5.7
EVAPORATION RATE:	3.0	BOILING POINT:	133° F
pH (undiluted product):	No Data	MELTING POINT:	No Data
SOLUBILITY IN WATER:	Insoluble	SPECIFIC GRAVITY:	0.86
VAPOR DENSITY:	No Data	PERCENT VOLATILE:	No Data
VAPOR PRESSURE:	40 @ 22° C	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):	N/A	
INCOMPATIBILITY (MATERIAL TO AVOID):	Avoid strong oxidizing agents.	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Carbon monoxide or 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 regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. If discarded in its purchased form, this product is a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or residue of the product remains classified a hazardous waste as per 40 CFR 261, Subpart C. State or local regulations may also apply if they differ from the federal regulation.

RCRA HAZARD CLASS: D001, Ignitable Hazardous Waste

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT TRANSPORTATION

PROPER SHIPPING NAME: Coating Solution

HAZARD CLASS: 3

ID NUMBER: UN1139

PACKING GROUP: II

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: N/A

SARA

311/312 HAZARD CATEGORIES: Fire hazard, chronic health hazard.

313 REPORTABLE INGREDIENTS: Toluene 108-88-3 46-54%
Diethylene Glycol Monomethyl Ether 111-77-3 < 0.5%

CALIFORNIA PROPOSITION 65:

This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm. Cancer: Cadmium Oxide, Lead Oxide, Formaldehyde, 2-Chloro-1,3-Butadiene, Quartz / Sand, Benzene, Ethyl Benzene. Reproductive: Toluene, Benzene, Lead Oxide, Cadmium Oxide.

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
Heptane	142-82-5	Yes	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes	Yes	No	Yes
2-(2-methoxyethox) Ethanol	111-77-3	No	Yes	No	No	Yes	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: N/A

DATE OF PREVIOUS MSDS: December 2008

CHANGES SINCE PREVIOUS MSDS: Updated DOT info 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.