



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TOPCOAT® PVDF Coating

TRADE NAME: N/A

**CHEMICAL NAME /
SYNONYM:** N/A

CHEMICAL FAMILY: N/A

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

SECTION 2: HAZARD IDENTIFICATION

NFPA and HMIS RATINGS:

| | NFPA Hazard Rating | | HMIS Hazard Rating |
|------------------------|-------------------------------|----------------------------|-------------------------------|
| | 2 | | 2 |
| | 0 | | 0 |
| | 0 | | 0 |
| Special Hazards | - | Personal Protection | X |

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Eye Irritant - Category 2A
Skin Irritant - Category 2
Target Organ (SE) - Category 2
Target Organ (RE) - Category 2
Acute Toxicity - Category 4
Carcinogen - Category 2
Hazardous to the Aquatic Environment (chronic) - Category 4

GHS PICTOGRAMS:   

SIGNAL WORD: Danger

HAZARD STATEMENTS: May cause damage to organs through prolonged or repeated exposure
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
Harmful if swallowed
Suspected of causing cancer
May be harmful to aquatic life with long lasting effects

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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

SIGNS & SYMPTOMS OF EXPOSURE

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

SKIN: Prolonged exposure can cause irritation to the skin.

INGESTION: Not expected to be ingested.

INHALATION: May cause nose throat and lung irritation. Symptoms of excessive exposure may be anesthetic effects; dizziness and drowsiness may be observed.

ACUTE HEALTH HAZARDS: Contains high molecular weight polymers. Decomposition gives toxic and corrosive products. Inhalation of fumes may cause flu-like symptoms; headache, drowsiness, nausea, weakness.

CHRONIC HEALTH HAZARDS: None known

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS # | % (BY WT) | OCCUPATIONAL EXPOSURE LIMITS | | |
|-------------------------------------|------------|-----------|---------------------------------------|---|-------|
| | | | OSHA | ACGIH | OTHER |
| Dipropylene glycol monomethyl ether | 34590-94-8 | 0-5 | 600 mg/m ³ 100 ppm SKIN | 100 ppm –TWA 150 ppm –STEL SKIN_DES – can be absorbed through skin. | NE |
| Titanium Dioxide | 13463-67-7 | 10-20 | 15 mg/m ³ - total | 10mg/m ³ - total | NE |
| Water | - | 35-45 | NE | NE | NE |
| Non-Hazardous Ingredients | - | 35-45 | NE | NE | NE |

NE = Not Established

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. If irritation persists, call a physician.
- INHALATION:** Remove person to fresh air. If signs/symptoms continue, get medical attention.
- INGESTION:** If swallowed, seek medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Hazardous decomposition products including toxic and corrosive Hydrogen fluoride (HF) may be liberated during processing at high temperatures. If thermal decomposition of this product occurs additional first aid measures are required and treatment for HF exposure.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical or foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide and hydrogen flouride.

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

UNUSUAL FIRE & EXPLOSION HAZARDS: When Burned, the following hazardous product of combustion can occur: Carbon oxides and Hydrogen flouride.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Contain spill to prevent spreading. Use absorbent material to dry up the compound. Provide adequate ventilation in closed areas.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a well ventilated area.

OTHER PRECAUTIONS: None

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: | > 200 F | LOWER EXPLOSIVE LIMIT: | No data |
| METHOD USED: | TCC | UPPER EXPLOSIVE LIMIT: | No data |
| EVAPORATION RATE: | 1 | BOILING POINT: | No data |
| pH (undiluted product): | 8.2 | MELTING POINT: | No data |
| SOLUBILITY IN WATER: | Dilutable in water | SPECIFIC GRAVITY: | 1.39 g/ml |
| 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** **UNSTABLE** **CONDITIONS TO AVOID (STABILITY):**

None known.

INCOMPATIBILITY (MATERIAL TO AVOID):

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Carbon monoxide, carbon dioxide and hydrogen fluoride.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION:** No information available. See section 3.**SECTION 12: ECOLOGICAL INFORMATION****ECOLOGICAL INFORMATION:** No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all federal, state and local waste disposal regulations.

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: The 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 contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.
Cancer: Titanium Dioxide

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 |
|-------------------------------------|------------|----|-----|----|-----|-----|----|
| Dipropylene glycol monomethyl ether | 34590-94-8 | No | Yes | No | Yes | Yes | No |

| | | | | | | | |
|------------------|------------|----|----|-----|-----|-----|-----|
| Titanium Dioxide | 13463-67-7 | No | No | Yes | Yes | Yes | Yes |
|------------------|------------|----|----|-----|-----|-----|-----|

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: May 2013

CHANGES SINCE PREVIOUS SDS: Headquarters Address Change

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