



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TPO Red Primer
CHEMICAL NAME / SYNONYM: Solvent
CHEMICAL FAMILY: Mixture
MANUFACTURER: GAF Materials Corporation
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 |
| | 3 | | 3 |
| | 0 | | 0 |
| Special Hazards | - | Personal Protection | X |

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Flammable Liquid - Category 2
Eye Irritant - Category 2A
Skin Irritant - Category 2
Respiratory Irritant
Target Organ (SE) - Category 3
Hazardous to the Aquatic Environment (chronic) - Category 2

GHS PICTOGRAMS:   

SIGNAL WORD: Danger

HAZARD STATEMENTS: Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Repeated exposure may cause skin dryness and cracking.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe vapors/spray.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
If on skin (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Specific treatment (see on this label).
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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

SIGNS & SYMPTOMS OF EXPOSURE

EYES: May cause severe eye irritation.

SKIN: May cause drying of skin resulting in skin irritation and dermatitis.

INGESTION: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.

INHALATION: Inhalation may cause central nervous system effects. May cause drowsiness or dizziness. May cause irritation to the respiratory tract. May be harmful if inhaled.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: May cause central nervous system depression (weakness, fatigue, dizziness, drowsiness, nausea, headache, and/or unconsciousness). Experiments for acetone have shown reproductive toxicity effects on laboratory animals. May cause

adverse effects to liver or kidney.

See section 11 for additional toxicological information.

CARCINOGENICITY: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS # | % (BY WT) | OCCUPATIONAL EXPOSURE LIMITS | | |
|--------------------------------------|---------|-----------|--|-------------------------------|---|
| | | | OSHA | ACGIH | OTHER |
| Para-chlorobenzo trifluoride (PCBTF) | 98-56-6 | 70-90% | NE | NE | NE |
| Acetone | 67-64-1 | 10-30% | TWA (vacated): 750 ppm STEL(vacated): 1000 ppm TWA: 1000 ppm | TWA: 500 ppm STEL: 750 ppm | NIOSH IDLH: 2500 ppm TWA: 250 ppm |
| Trade Secret Material | N/A | 1 - 20% | NE | NE | NE |

NE = Not Established

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

- EYES:** Flush with warm water for 15 minutes and seek immediate medical attention.
- SKIN:** Wash with soap and water for 15 minutes. If irritation persists, contact a physician.
- INHALATION:** Move victim to fresh air. If breathing has stopped, give artificial respiration. Seek immediate medical attention.
- INGESTION:** Do not induce vomiting. Get medical attention and advise the physician of the nature of the material.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray.

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| HAZARDOUS COMBUSTION PRODUCTS: | Carbon dioxide, carbon monoxide, chlorine compounds, fluoride compounds and hydrocarbons. |
| RECOMMENDED FIRE FIGHTING PROCEDURES: | Wear self-contained breathing apparatus with pressure-demand, full face piece SCBA and full protective gear. |
| UNUSUAL FIRE & EXPLOSION HAZARDS: | If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors may ignite and/or cause flash fires. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Vapors are invisible, flammable, and heavier than air, and may accumulate in low areas and spread long distances. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| ACCIDENTAL RELEASE MEASURES: | Stay upwind, out of low areas, and ventilate closed spaces before entering. Eliminate all ignition sources (flames, hot surfaces and sources of electrical sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent. |
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SECTION 7: HANDLING AND STORAGE

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| HANDLING AND STORAGE: | Keep container closed when not in use. Store in a cool, dry, and well-ventilated place. Keep away from heat and all sources of ignition. |
| OTHER PRECAUTIONS: | Containers may be hazardous when empty. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| ENGINEERING CONTROLS / VENTILATION: | Provide sufficient mechanical ventilation to maintain exposure below exposure limits. |
| RESPIRATORY PROTECTION: | If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, a |

NIOSH/MSHA approved organic vapor air purifying respirator may be appropriate based on employer-determined exposure levels. Air supplied or SCBA respirators may be required when the measured chemical concentration exceeds the capacity of the air purifying respirator or when personal exposure levels are unknown.

EYE PROTECTION:

Wear safety glasses with side shields or chemical goggles; face shield if there is a potential for splashing.

SKIN PROTECTION:

Wear chemical resistant gloves when handling this product to avoid prolonged skin contact.

OTHER PROTECTIVE EQUIPMENT:

Various application methods can dictate the use of additional protective safety equipment such as chemical resistant boots, impermeable aprons, etc. when handling this product to avoid prolonged skin contact.

WORK HYGIENIC PRACTICES:

Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse. A source of clean water should be available to flush eyes and skin.

EXPOSURE GUIDELINES:

Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------|--|---------------------------------|---------|
| APPEARANCE & ODOR: | Light red liquid with a distinct odor. | | |
| FLASH POINT: | 5°F | LOWER EXPLOSIVE LIMIT: | No data |
| METHOD USED: | CC | UPPER EXPLOSIVE LIMIT: | No data |
| EVAPORATION RATE: | 11.2 (n-Butyl Acetate = 1) | BOILING POINT: | 161.6°F |
| pH (undiluted product): | No data | MELTING POINT: | -139°F |
| SOLUBILITY IN WATER: | Insoluble | SPECIFIC GRAVITY: | 1.14 |
| VAPOR DENSITY: | 2-6 Air = 1 | PERCENT VOLATILE: | No data |
| VAPOR PRESSURE: | No data | WEIGHT/GALLON: | 9.5 lbs |
| VOC (g/L): | <100 | WITHOUT WATER (LBS/GAL): | No data |

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY:

STABLE X

UNSTABLE

| | |
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| CONDITIONS TO AVOID (STABILITY): | Avoid heat, flames, sparks, and other sources of ignition. Avoid incompatible materials. Avoid prolonged storage at elevated temperatures. |
| INCOMPATIBILITY (MATERIAL TO AVOID): | Avoid contact with combustible materials strong oxidizing agents, acids, bases, peroxides. |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: | Carbon Monoxide, carbon dioxide, chlorine compounds, fluoride compounds, hydrocarbons, formaldehyde, methanol. |
| HAZARDOUS POLYMERIZATION: | Will not occur. |

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

| Chemical Name | Oral LD50 (rat) | Dermal LD50 (rabbit) | Inhalation LC50 (rat) |
|--------------------------------------|-----------------|----------------------|-----------------------|
| Para-chlorobenzo-trifluoride (PCBTF) | >6800 mg/kg | >2700 mg/kg | 4479 ppm (4hr dose) |
| Acetone | 5800 mg/kg | Not Listed | Not Listed |

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

| Chemical Name | Freshwater Algae | Freshwater Fish | Microtox | Water Flea |
|---------------|------------------|--|--------------------------|--|
| Acetone | Not listed | Leuciscus idus: LC50 = 11300 mg/L/48h Salmo gairdneri: LC50 = 6100 mg/L/24h | EC50 = 14500 mg/L/15 min | EC50 = 39 mg/L/48h EC50 = 12700 mg/L/48h EC50 = 12600 mg/L/48h |
| | | | | |

SECTION 13: DISPOSAL CONSIDERATIONS

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| 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 |
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hazardous waste as per 40 CFR 261, Subpart C. State or local regulations may also apply if they differ from the federal regulation.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT TRANSPORTATION

PROPER SHIPPING NAME: Flammable Liquid N.O.S. (contains Acetone, Para-chlorobenzotrifluoride)
HAZARD CLASS: 3
ID NUMBER: UN1993
PACKING GROUP: II
LABEL STATEMENT: Not applicable.
OTHER: Not applicable.

I.A.T.A.

PROPER SHIPPING NAME: Flammable Liquid N.O.S. (contains Acetone, Para-chlorobenzotrifluoride)
HAZARD CLASS: 3
ID NUMBER: UN1993
PACKING GROUP: II
LABEL STATEMENT: Not applicable.
OTHER: Not applicable.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA: This product and its components are not listed on the TSCA 8(b) inventory.

CERCLA: This material, as supplied contains one or more substances regulated as a

hazardous substance under CERCLA (40 CFR 302)

| Component | Hazardous Substance RQs | CERCLA EHS RQs |
|-----------|-------------------------|----------------|
| Acetone | 5000 lb | - |

SARA

311/312 HAZARD CATEGORIES: Fire Hazard, Acute Health Hazard

313 REPORTABLE INGREDIENTS: None

CALIFORNIA PROPOSITION 65: This product can expose you to para-chlorobenzotrifluoride (PCBTF), 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 |
|-------------------------------------|---------|-----|-----|-----|-----|-----|-----|
| Para-chlorobenzotrifluoride (PCBTF) | 98-56-6 | Yes | Yes | Yes | Yes | Yes | Yes |
| Trade Secret Material | - | No | No | No | Yes | No | No |
| Acetone | 67-64-1 | Yes | Yes | Yes | Yes | Yes | Yes |

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: Not applicable.

DATE OF PREVIOUS SDS: March 2018

CHANGES SINCE PREVIOUS SDS: Prop 65 warning.

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.