



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: TPO Primer
MANUFACTURER: GAF
ADDRESS: 1 Campus Drive, Parsippany, NJ 07054
24-HOUR EMERGENCY PHONE (CHEMTREC): 800 – 424 – 9300
INFORMATION ONLY: 877-GAF-ROOF
PREPARED BY: Corporate EHS

SECTION 2: HAZARDS 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
 Reproductive Toxicity – Category 2
 Skin Irritant - Category 2
 STOT RE - Category 2
 STOT SE - Category 3
 Asp. Tox. - Category 1
 Aquatic chronic - Category 2



GHS PICTOGRAMS:

SIGNAL WORD: Danger

HAZARD STATEMENTS: Highly flammable liquid and vapor.
Causes skin irritation.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
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.
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 dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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

SIGNS & SYMPTOMS OF EXPOSURE

EYES: This material causes eye irritation.

SKIN:	This material causes skin irritation.
INGESTION:	Harmful or fatal if swallowed. Can enter lungs and cause damage. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.
INHALATION:	May cause drowsiness or dizziness.
ACUTE HEALTH HAZARDS:	See above.
CHRONIC HEALTH HAZARDS:	No further relevant information available.
CARCINOGENICITY:	Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Solvent Naphtha (Petroleum), Light Aliphatic	64742-89-8	50-100	NE	NE	NE
Toluene	108-88-3	25-50	200 ppm 300 ppm ceiling	20 ppm	REL: 100 ppm 150 ppm STEL
Xylene	1330-20-7	<0.5	100 ppm	100 ppm	REL: 150 ppm

NE = Not Established

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYES:	Flush eyes immediately with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician.
SKIN:	Remove contaminated clothes. Wash exposed areas with soap and water. If redness or swelling develops, seek medical assistance. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
INHALATION:	Remove to fresh air. If breathing has stopped, give artificial respiration. Call a physician.
INGESTION:	Rinse mouth thoroughly with water.. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by

mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Symptoms may be delayed.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: CO₂, dry chemical powder, and sand. Do not use water.

HAZARDOUS COMBUSTION PRODUCTS: No further relevant information available.

RECOMMENDED FIRE FIGHTING PROCEDURES: Self contained breathing apparatus recommended.

UNUSUAL FIRE & EXPLOSION HAZARDS: Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition. Do not use a water.. Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Eliminate all ignition sources (no smoking, flares, sparks or flames in the immediate area). Extinguish all flames in the vicinity. Dam up area to prevent spreading of material. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Cover with plastic sheet to prevent spreading. Collect spillage. Prevent product from entering drains. Do not allow material to contaminate groundwater system.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

- Avoid prolonged or repeated contact with skin.
- Avoid contact with eyes.
- Wash thoroughly after handling.
- Open containers in a well ventilated area and avoid breathing headspace vapors.
- Prevent formation of aerosols.

Keep container closed when not in use.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Store in a well ventilated area.
Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

OTHER PRECAUTIONS:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product, Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling.

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 approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

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:

None.

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:	Clear liquid with an organic solvent odor		
FLASH POINT:	46 °F	LOWER EXPLOSIVE LIMIT:	1.2%
METHOD USED:	TCC	UPPER EXPLOSIVE LIMIT:	7.0%
EVAPORATION RATE:	No data	BOILING POINT:	185 °F
pH (undiluted product):	No data	MELTING POINT:	No data
SOLUBILITY IN WATER:	Not miscible	SPECIFIC GRAVITY:	6.6 lb/gal
VAPOR DENSITY:	No data	PERCENT VOLATILE:	No data
VAPOR PRESSURE:	21.8 mm Hg	MOLECULAR WEIGHT:	No data
VOC (g/L):	<690		

SECTION 10: STABILITY AND REACTIVITY**THERMAL STABILITY:****STABLE X****UNSTABLE** **CONDITIONS TO AVOID:**

Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, or grind empty containers.

INCOMPATIBILITY (MATERIAL TO AVOID):

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Carbon dioxide, carbon monoxide, and various hydrocarbons.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Oral Toxicity**

Toluene – LD50 Rat: 5000 mg/kg

Solvent Naphtha (Petroleum), Light Aliphatic – LD50 Rat: 8,000 mg/kg

Acute Inhalation Toxicity (4 hours)

Toluene – LC50 Rat: 8,000 ppm

Solvent Naphtha (Petroleum), Light Aliphatic – LC50 Rat: 3,400 ppm

Acute Dermal Toxicity

Toluene – LD50 Rabbit: 12,124 mg/kg

Solvent Naphtha (Petroleum), Light Aliphatic – LD50 Rat: 4,000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity: Expected to be harmful to aquatic organisms.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable local, state and Federal regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

SECTION 14: TRANSPORTATION INFORMATION**DOT**

UN number UN1133
UN proper shipping name Adhesives, 3, UN1133, II
Packing group II
Hazard Class 3

**IATA**

UN number UN1133
UN proper shipping name Adhesives mixture, 3, UN1133, II
Packing group II
Hazard Class 3

**IMDG**

UN number UN1133
UN proper shipping name Adhesives mixture, 3, UN1133, II
Packing group II
Hazard Class 3
EMS Number F-E, S-D

**SECTION 15: REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS**

TSCA: This product and its components are listed on the TSCA 8(b) inventory.

CERCLA:

CERCLA Hazardous Substances (40 CFR 302)
Reportable Quantity – Components
Toluene: 108-88-3, 1000 lbs
Xylene: 67-64-1, 100 lbs

SARA

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

313 REPORTABLE INGREDIENTS: Toluene, xylene.

CALIFORNIA PROPOSITION 65: Toluene

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: Not Applicable.

CHANGES SINCE PREVIOUS SDS: New Product.

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