



**GAF**  
**Safety Data Sheet**  
**SDS # 4038**  
**SDS Date: May 2020**

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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** TPO Polymer

**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

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**SECTION 2: HAZARD IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

	NFPA Hazard Rating		HMIS Hazard Rating
Health	1	Health	1
Flammable	0	Flammable	0
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

**GHS LABEL ELEMENTS:**

**GHS CLASSIFICATION:** Combustible Dust

**GHS PICTOGRAM:** None

**SIGNAL  
WORD:** Warning

**HAZARD  
STATEMENTS:** If small particles are generated during further processing,  
handling or by other means, the material may form  
combustible dust concentrations in the air.



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**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:****PRIMARY ROUTE OF EXPOSURE:** Inhalation.**SIGNS & SYMPTOMS OF EXPOSURE****Eyes:** Direct contact with eyes may lead to mechanical irritation.**Skin:** Molten polymer may cause thermal burns.**Ingestion:** This product is not intended to be ingested. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.**Inhalation:** Inhalation of process fumes may cause soreness in the nose and throat and coughing.**ACUTE HEALTH HAZARDS:** See above.**CHRONIC HEALTH HAZARDS:** None known.**CARCINOGENICITY:** Not applicable.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

			OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
1-Propene, Polymer with Ethene	9010-79-1	>99.5	15 mg/m3 total dust	10 mg/m3 inhalable	Not Established

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**SECTION 4: FIRST AID MEASURES****FIRST AID PROCEDURES****EYES:** Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water by allowing the water to flow over the bridge of the nose to the eyes for at least 20 minutes. Seek immediate medical attention.**SKIN:** Wash off with soap and plenty of water. Consult a physician.**INHALATION:** Remove to fresh uncontaminated air. Seek medical attention.**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** None.



**SECTION 5: FIRE FIGHTING PROCEDURES**

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<b>SUITABLE EXTINGUISHING MEDIA:</b>	Water spray, carbon dioxide, or dry chemical.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon oxides (CO, CO <sub>2</sub> ), smoke and irritating fumes as products of incomplete combustion.
<b>RECOMMENDED FIRE FIGHTING PROCEDURES:</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Heat from fire may melt, decompose polymer, and generate flammable vapors. Move containers from fire area if it can be done without risk. Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container. Always stay away from tanks engulfed in fire. Do not attempt to get on top of storage containers involved in fire. Cool storage containers with large volumes of water even after fire is out.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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<b>ACCIDENTAL RELEASE MEASURES:</b>	Keep personnel away from spill area. Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Avoid breathing dust. Scoop up into drums for re-use or disposal.
	Do not flush into surface water or sanitary sewer system.

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**SECTION 7: HANDLING AND STORAGE**

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<b>HANDLING AND STORAGE:</b>	Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.  Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation.  Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard.  Static discharge (spark), or other ignition sources, in high dust environments may ignite the dust and result in a dust explosion. Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and grounded (earthed) and bonded.
<b>OTHER PRECAUTIONS:</b>	Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination. Take measures to prevent the buildup of electrostatic charge.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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<b>ENGINEERING CONTROLS / VENTILATION:</b>	No special ventilation systems are required under normal conditions of use. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended
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exposure limits.

<b>RESPIRATORY PROTECTION:</b>	Respiratory protection is not normally needed.
<b>EYE PROTECTION:</b>	Safety glasses with side shields or chemical goggles.
<b>SKIN PROTECTION:</b>	Avoid skin contact. Wear gloves that provide thermal protection where there is a potential for contact with heated material.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	A chemical apron and/or other equipment should be worn to avoid skin contact.
<b>WORK HYGIENIC PRACTICES:</b>	Wash exposed skin prior to eating, drinking or smoking and at the end of each shift.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE &amp; ODOR:</b>	Translucent to white pellets. Slight odor.		
<b>FLASH POINT:</b>	Not Available	<b>LOWER EXPLOSIVE LIMIT:</b>	Not Applicable
<b>METHOD USED:</b>	Not Applicable	<b>UPPER EXPLOSIVE LIMIT:</b>	Not Applicable
<b>EVAPORATION RATE:</b>	Not Applicable	<b>BOILING POINT:</b>	Not Applicable
<b>pH (undiluted product):</b>	Not Applicable	<b>MELTING POINT:</b>	50-170 deg C
<b>AUTOIGNITION TEMP:</b>	>300 deg C	<b>SPECIFIC GRAVITY:</b>	Not Available
<b>DENSITY:</b>	<1 g/cm3	<b>PERCENT VOLATILE:</b>	Not Available
<b>VAPOR PRESSURE:</b>	Not Applicable	<b>MOLECULAR WEIGHT:</b>	Not Available
<b>VOC WITH WATER (LBS/GAL):</b>	Not Applicable	<b>WITHOUT WATER (LBS/GAL):</b>	Not Applicable

#### SECTION 10: STABILITY AND REACTIVITY

<b>THERMAL STABILITY:</b>	<b>STABLE X</b>	<b>UNSTABLE</b>
<b>CONDITIONS TO AVOID (STABILITY):</b>	Stable under recommended storage conditions.	
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	No data available.	
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.	
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.	



**SECTION 11: TOXICOLOGICAL INFORMATION**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Polypropylene	Not available	Rat - > 110,000 mg/kg	Not available

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

No information was located.

**Skin Absorption**

No information was located.

**Ingestion**

No information was located.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure****Respiratory and/or Skin Sensitization**

This product is not expected to be a skin or a respiratory tract sensitizer, based on the available data and the known hazards of the components.

**Carcinogenicity**

Not listed as a carcinogen.

**Other Information**

None.

**SECTION 12: ECOLOGICAL INFORMATION**

Acute aquatic toxicity: Not classified

Chronic aquatic toxicity: Not classified

Biodegradability: Not expected to be biodegradable.

**Additional ecological information**

Ecotoxicity is expected to be minimal based on the low water solubility of polymers.

No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.

**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****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**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:** Combustible dust.

**313 REPORTABLE INGREDIENTS:** None.

**CALIFORNIA PROPOSITION 65:** This product does not contain a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

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	NJ	PA	RI
1-Propene, Polymer with Ethene	9010-79-1	No	No	No	No	No

**SECTION 16: OTHER INFORMATION**

**ADDITIONAL COMMENTS:** None

**DATE OF PREVIOUS SDS:** Not applicable.

**CHANGES SINCE PREVIOUS SDS:** Not applicable – New SDS.

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,



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