



GAF
Safety Data Sheet
SDS # 1079C
SDS Date: September 2023

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: EverGuard® 1121 TPO Bonding Adhesive

MANUFACTURER: GAF

ADDRESS: 1 Campus Drive, Parsippany, NJ 07054

24 HOUR EMERGENCY PHONE: (CHEMTREC) 800-424-9300

INFORMATION ONLY: 877-GAF-ROOF

APPROVED BY: Corporate EHS

SECTION 2: HAZARDS IDENTIFICATION

NFPA and HMIS RATINGS:

	NFPA Hazard Rating		HMIS Hazard Rating
Health	2	Health	2
Flammable	3	Flammable	3
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

GHS LABEL ELEMENTS:

GHS CLASSIFICATION:

Germ Cell Mutagenicity	Category 1B
Reproductive toxicity	Category 2
Acute toxicity	Category 4
Skin irritain	Category 2
Eye irritation	Category 2A
Target organ (SE)	Category 3
Flammable liquids	Category 2
Target organ (RE)	Category 1

GHS PICTOGRAM:



SIGNAL WORD:	Danger
HAZARD STATEMENT:	Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause genetic defects. May cause cancer. 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.
PRECAUTIONARY STATEMENTS:	Obtain, read and follow all safety instructions before use. 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. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Skin IF ON SKIN: Wash with plenty of soap and water Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing immediately call a doctor/physician Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth with water. Do not induce vomiting. In case of fire: Use CO2, powder or water spray to extinguish.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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

SIGNS & SYMPTOMS OF EXPOSURE

EYES: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

SKIN: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

INGESTION: Swallowing this material is harmful. This material can get into the lungs during swallowing or vomiting. This can cause lung inflammation and other lung injury.

INHALATION: Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

ACUTE HEALTH HAZARDS: Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure if inhaled.

CHRONIC HEALTH HAZARDS: Causes damage to organs (Nervous system) through prolonged or repeated exposure if inhaled.

CARCINOGENICITY: Not classified based on available information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Toluene	108-88-3	25 - 50	200 ppm 300 ppm – ceiling	20 ppm	REL: 100 ppm
Naphtha (Petroleum), Solvent Refined Light	64741-84-0	25 - 50	NE	NE	NE
Acetone	67-64-1	>10 - <20	1000 ppm	500 ppm 750 ppm – STEL	REL: 250 ppm
Formaldehyde, polymer with 4-(1, 1-dimethylethyl)phenol	25085-50-1	>2.5 - <10	NE	NE	NE
Magnesium Oxide	1309-48-4	<2.5	NE	10 mg/m ³	15 mg/m ³
Zinc Oxide	1314-13-2	>0.25 - <1	15* mg/m ³	10 mg/m ³	REL: 10 mg/m ³

NE = Not Established

SECTION 4: FIRST AID MEASURES**FIRST AID PROCEDURES**

EYES: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Seek medical attention.

SKIN: Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention. Discard contaminated clothing.

INHALATION: Move affected individual to an area free of risk from further exposure. Administer oxygen or artificial respiration as needed. Immediate or delayed asthma-like symptoms may develop. Seek medical attention.

INGESTION: If the material is swallowed, seek immediate medical attention. Rinse out mouth with water. Drink 1 - 2 glasses of water but DO NOT induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may

be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion.

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) temporary changes in mood and behavior confusion irregular heartbeat Causes skin irritation. Causes serious eye irritation

SECTION 5: FIRE FIGHTING PROCEDURES

- SUITABLE EXTINGUISHING MEDIA:** CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
- HAZARDOUS COMBUSTION PRODUCTS:** During fire, gases hazardous to the health may be formed including: Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products).
- RECOMMENDED FIRE FIGHTING PROCEDURES:** Firefighters should wear full protective clothing including self contained breathing apparatus.
- UNUSUAL FIRE & EXPLOSION HAZARDS:** Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures.
- This liquid may accumulate static electricity when filling properly grounded containers. Material will float and may ignite on surface of water. Move containers from fire area if you can do so without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Absorb spill with inert material. Shovel material into appropriate container for disposal. Evacuate the area promptly. Keep upwind of the spilled material and isolate exposure. Avoid inhalation of vapors and mists. Surfaces may become slippery after a spill. Wear PPE for spill clean up. Stop the flow of material, if possible.

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

OTHER PRECAUTIONS:

Store in a cool location away from direct heat.. Keep away from heat, sparks and open flame. Store away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION:

Provide adequate local ventilation to maintain worker 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:

Wear safety glasses and a face shield or chemical goggles.

SKIN PROTECTION:

Wear appropriate chemical resistant gloves (nitrile rubber NBR). Wear appropriate chemical resistant clothing.

OTHER PROTECTIVE EQUIPMENT:

Eye wash stations and safety showers are recommended.

WORK HYGIENIC PRACTICES:

When using do not smoke. Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Immediately remove all soiled and contaminated clothing. Avoid contact with the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Yellow liquid with a solvent odor.
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FLASH POINT:	-0.4 °F	LOWER EXPLOSIVE LIMIT:	1.2 Vol %
METHOD USED:	No Data	UPPER EXPLOSIVE LIMIT:	13.0 Vol %
EVAPORATION RATE:	No Data	BOILING POINT:	208 °F
AUTOIGNITION TEMPERATURE:	464 °F	MELTING POINT:	No Data
SOLUBILITY IN WATER:	Not miscible or difficult to mix.	SPECIFIC GRAVITY:	7.2 lbs/gal
DENSITY:	No Data	PERCENT VOLATILE:	No Data
VAPOR PRESSURE:	174.8 mm Hg	VOC (g/L):	512

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: **STABLE** **UNSTABLE**

CONDITIONS TO AVOID (STABILITY): Heat, flame, and sparks.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers, acids, and bases.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products).

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOLUENE:

Acute oral toxicity : LD50 (Rat, male): 5,000 mg/kg
 Acute inhalation toxicity : LC50 (Rat): 28.1 mg/l Exposure time: 4 h Test atmosphere: vapour
 Acute dermal toxicity : LD50 (Rabbit): 12,267 mg/kg

ACETONE:

Acute oral toxicity : LD50 (Rat, female): 5,800 mg/kg
 Acute inhalation toxicity : LC50 (Rat, female): 76 mg/l Exposure time: 4 h Test atmosphere: vapour
 Acute dermal toxicity : LD50 (Rabbit): > 7,426 mg/kg

STOT - single exposure may cause drowsiness or dizziness.

STOT - repeated exposure causes damage to organs through prolonged or repeated exposure if inhaled.

May be harmful if swallowed and enters airways.

Chronic effects: Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Very toxic to fish.

Persistence and degradability

Components:

TOLUENE:

Biodegradability : Result: Readily biodegradable.

ACETONE:

Biodegradability : Result: Readily biodegradable.

Mobility in soil

Components: No data available

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. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORTATION INFORMATION

DOT

PROPER SHIPPING NAME: Adhesives
HAZARD CLASS: 3
ID NUMBER: UN1133
PACKING GROUP: II

IATA

PROPER SHIPPING NAME: Adhesives
HAZARD CLASS: 3
ID NUMBER: UN1133
PACKING GROUP: II
Marine Pollutant

IMDG

PROPER SHIPPING NAME: Adhesives
HAZARD CLASS: 3
ID NUMBER: UN1133
PACKING GROUP: II
OTHER: EMS: FE,SE

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

TSCA:	This product and its components are listed on the TSCA 8(b) inventory.
CERCLA:	Reportable Quantity – Components Toluene: 108-88-3, 1000 lbs Acetone: 67-64-1, 5000 lbs
SARA	Not applicable.
311/312 HAZARD CATEGORIES:	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
313 REPORTABLE INGREDIENTS:	Not applicable.
CALIFORNIA PROPOSITION 65:	WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. TOLUENE 108-88-3

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS:	None
DATE OF PREVIOUS SDS:	February 2023
CHANGES SINCE PREVIOUS SDS:	Ingredient update.

This information relates to the specific material designated and may not be valid for such material used in 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.