



GAF
Safety Data Sheet
SDS # 4161
SDS Date: April 2023

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: EverGuard® 2331 PVC Bonding Adhesive H

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
	2		2
	3		3
	0		0
Special Hazards	-	Personal Protection	X

GHS LABEL ELEMENTS:

GHS CLASSIFICATION:

Reproductive toxicity	Category 2
Skin Sens.	Category 1
Eye irritation	Category 2A
Target organ (SE)	Category 3
Flammable liquids	Category 2
Target organ (RE)	Category 2



GHS PICTOGRAM:

SIGNAL WORD:	Danger
HAZARD STATEMENT:	Highly flammable liquid and vapor. Causes serious eye irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
PRECAUTIONARY STATEMENTS:	<p>Obtain, read and follow all safety instructions before use.</p> <p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p> <p>Keep container tightly closed.</p> <p>Ground/bond container and receiving equipment.</p> <p>Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>Use only non-sparking tools.</p> <p>Take precautionary measures against static discharge.</p> <p>Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.</p> <p>Wash thoroughly after handling.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Contaminated work clothing must not be allowed out of the workplace.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.</p> <p>Continue rinsing.</p> <p>IF exposed or concerned: Get medical advice/attention.</p> <p>Call a poison center/doctor if you feel unwell.</p> <p>Specific treatment (see on this label).</p> <p>Get medical advice/attention if you feel unwell.</p> <p>If skin irritation or rash occurs: Get medical advice/attention.</p> <p>If eye irritation persists: Get medical advice/attention.</p> <p>Wash contaminated clothing before reuse.</p> <p>In case of fire: Use for extinction: CO2, powder or water spray.</p>

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

Store in a well-ventilated place. 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: Inhalation, Skin Contact, Eye Contact

SIGNS & SYMPTOMS OF EXPOSURE

EYES: Causes serious eye irritation.

SKIN: May cause skin irritation.

INGESTION: Harmful if swallowed. May cause gastrointestinal irritation.

INHALATION: May cause drowsiness or dizziness.

ACUTE HEALTH HAZARDS: Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs (nervous system, hearing organs) through prolonged or repeated exposure.

CHRONIC HEALTH HAZARDS: Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs (nervous system, hearing organs) through prolonged or repeated exposure.

CARCINOGENICITY: Not classified based on available information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Acetone	67-64-1	50-100	1000 ppm	500 ppm 750 ppm – STEL	REL: 250 ppm
Methyl ethyl ketone	78-93-3	2.5-10	200 ppm TWA 300 ppm STEL	200 ppm TWA 300 ppm STEL	NE
Toluene	108-88-3	<2.5	200 ppm 300 ppm – ceiling	20 ppm	REL: 100 ppm

4-chloro-alpha,alpha,al pha-trifluorotoluene	98-56-6	<2.5	NE	NE	NE
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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:** Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention immediately.
- INHALATION:** Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
- INGESTION:** Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs (nervous system, hearing organs) through prolonged or repeated exposure.

SECTION 5: FIRE FIGHTING PROCEDURES

- SUITABLE EXTINGUISHING MEDIA:** Water fog, carbon dioxide, or dry chemical. Use fire fighting measures that suit the environment. Do not use water jet.
- HAZARDOUS COMBUSTION PRODUCTS:** During fire, gases hazardous to the health may be formed including: carbon dioxide and carbon monoxide.
- RECOMMENDED FIRE FIGHTING PROCEDURES:** Firefighters should wear full protective clothing including self contained breathing apparatus.
- UNUSUAL FIRE & EXPLOSION HAZARDS:** Exposure to fire may cause containers to rupture/explode. Avoid fire, sparks, static electricity and hot surfaces. Liquid readily evaporates at room/ambient temperature. Vapors are invisible, flammable, heavier than air, and may accumulate in low areas and spread long distances. Distant ignition and flashback are possible.

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:

Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Evacuate area. Keep upwind. Ventilate area. Avoid vapor formation. Eliminate all ignition sources if safe to do so. Vapor may cause flash fires. Vapors are heavier than air and can travel long distances to ignition sources.

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. Inform appropriate managerial or supervisory personnel of all environmental releases.

Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed metal containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

For professional or industrial use only. Keep container closed when not in use. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other source of ignition. Explosion may occur causing injury or death.

OTHER PRECAUTIONS:

Storage conditions:

Keep container closed when not in use. Store in a cool, dry, well ventilated area away from sunlight. Keep away from heat and sources of ignition. Protect from moisture.

Incompatible materials :
Strong 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 with side shields or chemical splash goggles and a face shield .
SKIN PROTECTION:	Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Suggested glove materials are: Nitrile rubber, NBR or Chloroprene rubber, CR. Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
OTHER PROTECTIVE EQUIPMENT:	Eye wash stations 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:	Tan liquid with a solvent odor.		
FLASH POINT:	<0.4 deg F.	LOWER EXPLOSIVE LIMIT:	2.6%
METHOD USED:	No Data	UPPER EXPLOSIVE LIMIT:	13%
EVAPORATION RATE:	>1	BOILING POINT:	133 deg F.
IGNITION TEMPERATURE:	No Data	MELTING POINT:	No Data
SOLUBILITY IN WATER:	Not miscible	SPECIFIC GRAVITY:	0.87
DENSITY:	No Data	PERCENT VOLATILE:	No Data
VAPOR PRESSURE:	No Data	VOC (g/L):	<250

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY:**STABLE X****UNSTABLE** **CONDITIONS TO AVOID (STABILITY):**

Heat. Open flame. Ignition sources.

INCOMPATIBILITY (MATERIAL TO AVOID):

Strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:Carbon oxides (CO, CO₂), nitrogen oxides.**HAZARDOUS POLYMERIZATION:**

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOLUENE:

Acute oral toxicity :

LD50 (Rat, male): 5,580 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

Symptoms/effects:

Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs (nervous system, hearing organs) through prolonged or repeated exposure.

Symptoms/effects after inhalation:

May cause drowsiness or dizziness.

Symptoms/effects after skin contact:

May cause skin irritation.

Symptoms/effects after eye contact:

Causes serious eye irritation.

Symptoms/effects after ingestion:

May cause gastrointestinal irritation.

Chronic symptoms:

Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short-term (acute):

Not classified

Hazardous to the aquatic environment, long-term (chronic):

Not classified

Persistence and degradability

No additional information available

Bioaccumulative potential

No additional information available

Mobility in soil

No additional information 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

IMDG

PROPER SHIPPING NAME: Adhesives
HAZARD CLASS: 3
ID NUMBER: UN1133
PACKING GROUP: II
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:	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 cancer. p-chloro- α,α -trifluorotoluene 98-56-6 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:	None.
CHANGES SINCE PREVIOUS SDS:	New Product.

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.