GAF
Safety Data Sheet
SDS # 1096
SDS Date: April 2023

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	EverGuard® 2331 PVC 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:

Reproductive toxicity	Category 2
Eye irritation	Category 2
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 drowsiness or dizziness.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:
Obtain, read and follow all safety instructions before use.
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 dust/ fume/ gas/ mist/ vapors/ spray.
Wash clothing, hands, forearms and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Skin
IF ON SKIN: Wash with plenty of soap and water
Call a POISON CENTER or doctor/physician if you feel unwel.l 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 dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

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 to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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.
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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

			OCCUPATIONAL EXPOSURE LIMITS		
CHEMICAL NAME	**CAS #**	**% (BY WT)**	**OSHA**	**ACGIH**	**OTHER**
Acetone	67-64-1	60-100	1000 ppm	500 ppm 750 ppm – STEL	REL: 250 ppm
Methyl ethyl ketone	78-93-3	1-5	200 ppm TWA 300 ppm STEL	200 ppm TWA 300 ppm STEL	NE
Toluene	108-88-3	1-5	200 ppm 300 ppm – ceiling	20 ppm	REL: 100 ppm

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.

SMALL SPILL: 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. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed 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.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Ventilate the area by natural means or by explosion proof means (i.e. fans). Know and prepare for spill response before using or handling this product. Eliminate all ignition sources (flames, hot surfaces, portable heaters and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

For professional or industrial use only. Follow label instructions. Keep out of reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Turn off all pilot lights, flames, stoves,

heaters, electric motors, welding equipment and other sources of ignition. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. 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:

Technical measures:
Ground/bond container and receiving equipment. Ensure adequate ventilation, especially in confined areas.

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. Strong acids. Strong bases.

Maximum storage period:
1 year from manufacture date

Storage temperature:
15.5 – 35 °C (60 - 95 °F)

Heat and ignition sources:
Avoid ignition sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Provide adequate local ventilation to maintain worker exposure below exposure limits.

RESPIRATORY PROTECTION: In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

EYE PROTECTION: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

SKIN PROTECTION: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves should be recommended by the glove supplier. Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

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:	Amber liquid with a solvent odor.		
FLASH POINT:	1.4 deg F.	**LOWER EXPLOSIVE LIMIT:**	1%
METHOD USED:	No Data	**UPPER EXPLOSIVE LIMIT:**	12.8%
EVAPORATION RATE:	>1	**BOILING POINT:**	133 deg F.
IGNITION TEMPERATURE:	No Data	**MELTING POINT:**	No Data
SOLUBILITY IN WATER:	No Data	**SPECIFIC GRAVITY:**	0.87
DENSITY:	7.4 lbs/gal	**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. Strong acids. Strong bases.

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

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 (nervous system, hearing organs) through prolonged or repeated exposure.

STOT - single exposure may cause drowsiness or dizziness.

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

Mutagenic Effects	Not classified
Reproductive Effects	Not classified
Developmental Effects	Not classified

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

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DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 60 L

IMDG

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

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 and birth defects or other reproductive harm 1,3-Butadiene 106-99-0 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 2018
CHANGES SINCE PREVIOUS SDS:	Complete 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.