IB Vertibond 432 Bonding PVC Adhesive

Version 2.0 Created Date 09/22/2026

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	IB Vertibond 432 Bonding PVC Adhesive
Manufacturer's product designation	:	LA432M Low VOC PVC Membrane Adhesive

Manufacturer or supplier's details

Company	:	IB ROOF SYSTEMS, LLC
Address	:	506 E. DALLAS RD STE. 300, GRAPEVINE, TX 76051
Telephone	:	1-800-426-1626
Emergency Telephone number	:	855-280-2834 (3E Emergency Response U.S.); 760-602-8703 (3E Emergency Response International)

Recommended use of the chemical

Recommended use	:	Low VOC PVC membrane bonding adhesive, for professional/industrial use only

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012)

Hazard class	Category
Flammable liquids	Category 2
Skin irritation	Category 2
Eye irritation	Category 2A
Reproductive toxicity	Category 2
Specific target organ toxicity — single exposure	Category 3 (Central nervous system)
Specific target organ toxicity — repeated exposure	Category 2
Aspiration hazard	Category 1
Acute hazard to the aquatic environment	Category 2
Chronic hazard to the aquatic environment	Category 3

GHS label elements

Pictograms	:	Flame; Exclamation Mark; Health Hazard
Signal Word	:	DANGER
Hazard Statements	:	H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H401 Toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash hands, forearms, and other exposed areas thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Wear respiratory protection.

Response:

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment (see Section 4).
- P331 Do NOT induce vomiting.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- P362 Take off contaminated clothing and wash before reuse.
- P370+P378 In case of fire: Use appropriate media to extinguish.
- P391 Collect spillage.

Storage:

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

Disposal:

- P501 Dispose of contents/container according to local, regional, national, and international regulations.

Other Hazards

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Emergency Overview: DANGER! Extremely flammable liquid and vapor. Vapor may cause flash fire and explosion. Harmful or fatal if swallowed. Harmful if absorbed through the skin. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. High vapor concentrations may cause drowsiness. Can cause eye, skin and respiratory tract irritation.

Physical appearance: Amber liquid.

Target Organ Statement: Central Nervous System (CNS).

NFPA Rating

Health	Flammability	Reactivity	Special
2	3	0	—

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration [wt.%]
Acetone	67-64-1	55 – 75
Methyl Ethyl Ketone	78-93-3	3 – 10
Toluene	108-88-3	1 – 5
p-Chlorobenzotrifluoride	98-56-6	< 1

SECTION 4. FIRST AID MEASURES

Eye contact : Immediately flush eyes with plenty of tempered water (at least 15–20 minutes), lifting upper and lower eyelids occasionally. Get immediate medical attention.

Skin contact : Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash or dispose of clothing before reuse.

Ingestion : Do not induce vomiting. Keep person warm, quiet and get medical attention immediately. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

Inhalation : Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed

Eyes: Liquid and vapor can severely irritate the eyes depending on type of exposure (splash, vapor) and exposure time.

Skin: Mild to moderate skin irritant; may be absorbed through the skin and can contribute to overall exposure.

Ingestion: May result in central nervous system (CNS) depression with symptoms such as headaches, nausea, vomiting, diarrhea, dizziness, incoordination and unconsciousness. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

Inhalation: High vapor concentrations may cause CNS depression with symptoms including light-headedness, giddiness, nausea, drowsiness, headache, nose/throat/respiratory tract irritation, reduced appetite, confusion, and unconsciousness.

Chronic effects: Damage to the nervous system of the extremities, peripheral neuropathy, with symptoms including numbness, tingling and weakness in the toes and fingers, sensory impairment to touch, pain, vibration and temperature, muscular weakness, blurred vision, coldness of extremities, loss of body weight and reflexes, and even paralysis. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

SECTION 5. FIRE-FIGHTING MEASURES

Flammable class	:	Class IB
Suitable extinguishing media	:	Foam, dry chemical, carbon dioxide, water spray or fog
Hazardous combustion products	:	Carbon monoxide, carbon dioxide, aldehydes

Explosion hazards

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.

Fire fighting procedures

As in any fire, wear self-contained breathing apparatus with pressure-demand, full face piece SCBA (MSHA/NIOSH approved or equivalent) and full protective gear. Sensitive to static discharge — likely to catch fire from nearby spark; static charge may accumulate by flow or agitation; grounding and bonding of containers is required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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 adequately trained, authorized personnel wearing required PPE should participate in spill response and clean-up.

Large spill

Keep spectators away. Only adequately trained, authorized personnel wearing required PPE should participate in spill response and clean-up. Ventilate the area by natural means or explosion-proof mechanical means (fans). Eliminate all ignition sources. Dike and contain spill with inert material (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

General procedures

For professional or industrial use only. Follow label instructions. Keep out of the 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 eyewear around chemical vapors and liquid. Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively; use adequate natural and/or mechanical ventilation. Containers may be hazardous when empty — never use welding or cutting torch on or near container, and do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other ignition sources.

Handling	:	Use adequate ventilation and appropriate respiratory protection to avoid breathing vapors

		when cover is removed. Ground and bond all equipment when handling flammable solvent-borne material.
Storage	:	Keep container closed when not in use. Store in a dry, well-ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.
Storage temperature	:	15.5°C (60°F) minimum to 35°C (95°F) maximum
Shelf life	:	1 year from manufacture date

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits (OSHA PEL / ACGIH TLV)

Chemical name	OSHA PEL (TWA)	OSHA PEL (STEL)	ACGIH TLV (TWA)	ACGIH TLV (STEL)
Acetone	1000 ppm (2400 mg/m³)	—	500 ppm (1187 mg/m³)	750 ppm (1780 mg/m³)
Methyl Ethyl Ketone	200 ppm (590 mg/m³)	—	200 ppm (590 mg/m³)	300 ppm (885 mg/m³)
Toluene	200 ppm	300 ppm (C)	20 ppm	—
p-Chlorobenzotrifluoride	Not Listed	Not Listed	Not Listed	Not Listed

Engineering controls

Provide sufficient explosion-proof mechanical (general and/or local exhaust) ventilation to maintain exposure below the occupational exposure limit and exposure concentration.

Personal protective equipment

Eyes and face	:	Wear safety glasses with side shields (or goggles) or a full face respirator.
Skin	:	Wear chemical protective clothing and boots to prevent repeated or prolonged skin contact. Wear impervious gloves, such as nitrile rubber, if needed.
Respiratory	:	NIOSH/MSHA approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances. Use a positive pressure air-supplied respirator if there is potential for uncontrolled release, unknown exposure levels, or where air-purifying respirators may not provide adequate protection. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 must be followed whenever workplace conditions warrant a respirator's use.
Work hygienic practices	:	Use good hygiene practices when handling this material. Wash hands thoroughly after use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Odor	:	Solvent-like
Odor threshold	:	Not Determined
Color	:	Amber
pH	:	Not Determined
Percent volatile	:	74.8% by weight
Flash point and method	:	-17°C (1.4°F)

Flammable limits	:	1.0 to 12.8
Autoignition temperature	:	759°F to 997°F
Vapor pressure	:	Not Determined
Vapor density	:	Not Determined
Boiling point	:	56.1°C (133°F) to 110.6°C (231°F)
Freezing point	:	Not Determined
Melting point	:	Not Determined
Pour point	:	Not Determined
Solubility in water	:	Slight
Evaporation rate	:	> 1.0 (n-Butyl Acetate = 1)
Density	:	7.081 lbs/gal
Specific gravity	:	0.849
Viscosity	:	Not Determined
VOC (EPA Method 24)	:	199.400 g/L (photochemically reactive VOC only: 53.0 g/L)

SECTION 10. STABILITY AND REACTIVITY

Stability	:	Stable
Hazardous polymerization	:	Will not occur
Conditions to avoid	:	Avoid fire, sparks, static electricity and hot surfaces
Possibility of hazardous reactions	:	None expected
Hazardous decomposition products	:	Carbon monoxide and carbon dioxide may form when heated to decomposition
Incompatible materials	:	Strong oxidizing agents, strong acids and strong bases

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical name	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Acetone	5800 mg/kg	20000 mg/kg	50100 mg/m³ (8-hr)
Methyl Ethyl Ketone	2300–3500 mg/kg	> 8000 mg/kg	11700 mg/L (4-hr)
Toluene	2600–7500 mg/kg	12124 mg/kg	8000 ppm (4-hr)
p-Chlorobenzotrifluoride	> 6800 mg/kg	> 2700 mg/kg	4479 ppm (4-hr)

Carcinogenicity

Chemical name	IARC status
Toluene	Group 3

Irritation: Eyes, nose, throat, respiratory tract irritation.

SECTION 12. ECOLOGICAL INFORMATION

Environmental data: 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.

Ecotoxicological information: Contains components that are potentially toxic to freshwater and saltwater ecosystems.

Bioaccumulation/Accumulation: Contains components with the potential to bio-accumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper shipping name	:	Adhesives
Primary hazard class/division	:	3
UN/NA number	:	UN 1133
Packing group	:	II
NAERG	:	128
Marine pollutant	:	None
Other shipping information	:	Contains (Toluene, Acetone)

SECTION 15. REGULATORY INFORMATION

United States — DOT label symbol and hazard classification

Flammable Liquid

SARA Title III (Superfund Amendments and Reauthorization Act)

Fire	:	Yes
Pressure generating	:	No
Reactivity	:	No
Acute	:	Yes
Chronic	:	Yes

EPCRA Section 313 supplier notification

Chemical name	Wt.%	CAS-No.
Methyl Ethyl Ketone	3 – 10	78-93-3
Toluene	1 – 5	108-88-3

CERCLA (Comprehensive Response, Compensation, and Liability Act)

Chemical name	Wt.%	RQ
Acetone	55 – 75	5,000 lbs.
Methyl Ethyl Ketone	3 – 10	5,000 lbs.
Toluene	1 – 5	1,000 lbs.

TSCA (Toxic Substances Control Act)

All of the following are listed on the TSCA inventory: Acetone (67-64-1, TSCA Section 12b), Methyl Ethyl Ketone (78-93-3), Toluene (108-88-3), p-Chlorobenzotrifluoride (98-56-6).

Clean Air Act

Chemical name	Wt.%	CAS-No.
Methyl Ethyl Ketone	3 – 10	78-93-3
Toluene	1 – 5	108-88-3

States with special requirements

Acetone, Methyl Ethyl Ketone, Toluene, and p-Chlorobenzotrifluoride are listed on the New Jersey and Pennsylvania Right to Know lists. Acetone, Methyl Ethyl Ketone, and Toluene are Massachusetts Toxic Use Reduction Act (TURA) reportable chemicals.

California Proposition 65

This product contains toluene (1–5 wt.%), a chemical known to the State of California to cause birth defects or other reproductive harm (Developmental Toxicity).

Canada — WHMIS hazard symbol and classification

Flammable Liquid; Toxic.

SECTION 16. OTHER INFORMATION

Further information

NFPA — Health	NFPA — Flammability	NFPA — Reactivity	HMIS — Personal Protection
2	3	0	B

Version	:	2.0
Date	:	09/22/2026

Disclaimer

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