SAFETY DATA SHEET

Section 1 - Company name and product identification

Product name: Channel Bond Polycarbonate Bonding Agent.

Product use: Solvent cement for bonding polycarbonate to other plastics.

Supplier:

Manufacturer:
Ventex Technology, LLC
Transco To Go, LLC
1020A Idlewilde Blvd.
Columbia, SC 29201 USA
(803) 794-8061

Emergency telephone: (800) 869-6366

General information: (803) 794-8061

Section 2 - Hazards identification

Health		Environmental		Physical	
Acute toxicity:	Category 4	**Acute toxicity:**	None known	**Carcinogencity:**	Category 2
Skin irritation:	Category 3	**Chronic toxicity:**	None known		
Skin sensitization:	No				
Eye irritation:	Category 2				

GHS label:



Signal word:
Warning

WHMIS classification:
Class B, Division 2
Class D, Division 1B

Hazard statements	Precautionary statements
H315: Causes skin irritation.	**P261:** Avoid breathing dust/ fumes/ gas/ mist/ vapors/ spray.
H317: May cause an allergic skin reaction.	**P264:** Wash skin thoroughly after handling.
H319: Causes serious eye irritation.	**P271:** Use only outdoors or in a well-ventilated area.
H335: May cause respiratory irritation.	**P280:** Wear protective gloves/eye protection/face protection.
H336: May cause drowsiness or dizziness.	**P302 + P352 IF ON SKIN:** Wash with plenty of soap and water.
H351: Suspected of causing cancer.	**P304 +P340 IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
EUH066: Repeated exposure may cause dry skin.	**P305 + P351 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
	P337 + P313: Get medical advice/attention.
	P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

Section 3 - Composition/ information on ingredients

	CAS#	EINECS#	% Weight
Dichloromethane	75-09-2	200-838-9	60 -80
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	18 - 35
Non-Hazardous Components	N/A	N/A	2 - 5

Section 4 - First aid measures

Contact with eyes: Flush eyes immediately with plenty of water for 15 minutes and seek medical advice.

Skin contact: Wash skin with soap and water. If irritation develops, get medical attention.

Inhalation: Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.

Ingestion: Do not induce vomiting. Seek medical advice immediately.

Section 5 - Firefighting measures

Suitable Extinguishing Media: Water fog or fine spray, carbon dioxide, dry chemical or foam.

Unsuitable Extinguishing Media: Dry chemical powder.

Exposure Hazards: Inhalation and dermal contact.

Combustion Products: Hydrogen chloride, trace amounts of chlorine, phosgene.

Protection for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing.

Section 6 - Accidental release and disposal measures

Spills: Provide adequate ventilation. Evacuate all non-essential personnel from the spill area. Use personal protective equipment. Avoid breathing vapors, mist or gas. Shut off or plug source of spill.

Small spills: Absorb on inert media and collect into suitable container. Salvage as much re-usable liquid as possible into a suitable container. Contain spillage, and then collect and place in container for disposal according to local regulations. Do not use zinc, aluminum or collect and place in container for disposal according to local regulations. Do not use zinc, aluminum or plastic containers.

Section 7 - Storage and handling

Handling: Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed tightly sealed when not in use.

Storage: Store in a cool, dry ventilated area, away from incompatible substances. Store only in approved and properly labeled containers. Keep containers tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 - Exposure controls and personal protection

Exposure limits:

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Dichloromethane	50 ppm	N/E	25 ppm	125 ppm
Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	300 ppm

Engineering controls: Provide general and/ or local exhaust ventilation to control airborne levels below the exposure guidelines. Lethal concentrations may exist in areas with poor ventilation.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Use chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

Skin Protection: Prevent contact with the skin as much as possible. Use protective clothing chemically resistant to this material. Remove contaminated clothing immediately, wash skin area with soap and water and launder clothing before reuse or dispose of properly.

Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone to keep contaminants below levels listed above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached,
use respiratory protection equipment.

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Section 9 - Physical and chemical properties

Flash point: No available data

Autoignition temperature: 1,033 deg. F

Boiling point: 104 deg. F

Melting point/freezing point: -142.6 deg. F

Vapor pressure: 349 mmHg

Vapor density (Air-1): 2.93

Odor/appearance: Clear colorless liquid with penetrating odor

Flammability limits: Lower: 12 Upper: 19

Specific gravity: 1.326

Volatile %: 100

Evaporation rate (Water=1): 0.7

pH: Not applicable

Solubility in water: Slightly soluble

Section 10 - Stability and reactivity

Stability: Stable under recommended storage conditions. (See SECTION 7)

Hazardous decomposition products: Depending on temperature and air supply, may include hydrogen chloride, trace amounts of chlorine, phosgene.

Conditions to avoid: Avoid open flames, welding arcs, or other high temperature sources. Avoid direct sunlight.

Incompatible materials: Oxidizers, strong bases, amines, such as zinc powders, aluminum or magnesium powders, potassium sodium.

Section 11 - Toxicological information

Signs and symptoms of overexposure:

Skin: Slight to mildly irritating. Can be absorbed through the skin.

Eyes: Vapors may be irritating. Irritation accompanied by redness and tearing.

Inhalation: High vapor concentration may be irritating to respiratory system. Breathing of vapor may cause headaches, irritation of throat and may cause central nervous system depression.

Ingestion: May cause gastric distress, diarrhea, and vomiting. Harmful or fatal if swallowed in large quantity.

Acute oral toxicity:
LD50 rat: 2,000 mg/kg

Acute inhalation toxicity:
LC50 rat: 52,000 mg/m3

Acute dermal toxicity:
LD50 rabbit: 2,000 mg/kg

Section 12 - Ecological information

Aquatic toxicity: Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 193.00 mg/l - 96h

Bio-accumulative potential: No available published data.

Mobility: No available published data.

Section 13 - Waste disposal considerations

Follow local and national regulations. Consult disposal expert.

Section 14 - Transport information

U.S. Department of Transportation (Road or Rail):

Proper shipping name: Dichloromethane

UN number: 1593

Packing group: 3

Section 15 - Regulatory information

U.S. Federal Regulations:

Comprehensive Environmental Response and Liability Act (CERCLA).

This material is not subject to any special reporting under the requirements of the Comprehensive.

Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 1,000 pounds. If appropriate, immediately report to the National Response Center (800-424-8802) as required by U.S. Federal Law.

Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:
Acute Health Hazard, Chronic Health Hazard

SARA 313 (40 CFR 372) Hazard Categories:
The following components are subject to reporting levels established by SARA Title III, Section 313: Methylene Chloride.

Clean Water Act: Dichloromethane in this product is listed as Hazardous Substances under the CWA.

Clean Air Act: Dichloromethane in this product is listed as Hazardous Substances under the CCA.

California Prop 65: This product contains Methylene Chloride a chemical known by the State of California to cause cancer, birth defects or other reproductive harm.

Section 16 - Other information

MSDS revision date: September, 2025

Reason for reissue: Updated GHS Standard Format

Intended Use of Product: Solvent Cement for Bonding Polycarbonate to Other Plastics

Training necessary: Yes, training in practice and procedures contained in product literature.

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 0

Reactivity: 0

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience.

However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion-sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export.

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Section 16 - Other information (cont.)

The **EPA compliance obligations** for distributors and downstream users of methylene chloride who are authorized to continue its use under **40 CFR § 751.109(a)**. Please review the following requirements carefully:

1. Record keeping (§ 751.113)
Owners, operators, manufacturers, processors, and distributors must retain documentation at the company headquarters or the generating facility (beginning July 8, 2024) showing:

- The name, address, contact, and phone number of companies to whom methylene chloride was shipped.
- A copy of the notification provided under § 751.111; and
- The amount of methylene chloride shipped.

2. Exposure Monitoring (§ 751.109(d))
Initial air monitoring must be conducted to establish a baseline of worker exposure.

- If airborne concentrations are **below the ECEL action level (1 ppm) and at or below the EPA STEL (16 ppm)** ➙ periodic monitoring is required once every 5 years.
- If airborne concentrations are **at or above the ECEL (2 ppm)** ➙ periodic monitoring is required, **every 3 months** for both ECEL and EPA STEL.

The EPA notes that when exposures remain below the action level and STEL, the 5-year monitoring schedule may reduce compliance burdens.

3. Distributor Obligations
As a distributor, you must maintain accurate and accessible records to demonstrate compliance. This includes ensuring that customers receive the required notifications under § 751.111 and that all shipment details are properly logged.

Please ensure your organization has established procedures for **record keeping, initial and periodic monitoring, and compliance with notification requirements**.

Failure to meet these requirements may result in noncompliance with EPA regulations.

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