



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **PA-106**

Product type: HVAC DUCT INSULATION ADHESIVE

Restriction of use: None identified

Company Address: Precision Adhesives
131 Brown Street
Yatesville, PA 18640

Telephone numbers: 570-654-6735

Transport Emergency phone: Chemtrec 800-424-9300

Medical Emergency phone: Poison Control Center 1.877.671.4608

SECTION 2: HAZARDS IDENTIFICATION

Hazard-determining component: dichloromethane

Classification of the substance

Acute Toxicity, Oral (category 4)

Skin irritation (category 2)

Serious eye damage/eye irritation (category 2B)

Carcinogen (category 2)

Signal word Danger

Hazard statements

H302 – Harmful if swallowed.

H312 – Harmful in contact with skin.

H320 – Causes eye irritation.

H332 – Harmful if inhaled.

H336 – May cause drowsiness or dizziness.

H350 – May cause cancer.

H351 Suspected of causing cancer.

Pictograms**Precautionary statements**

P243 – Take precautionary measures against static discharge.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 – IF SWALLOWED: Call a POISON CENTER or a doctor/physician.

P303+P361+P353 – If on skin or hair: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 – IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS#	%
METHYLENE CHLORIDE	75-09-2	70 - 85
Elastomer		2 – 8
Resin		9 - 15

SECTION 4: FIRST-AID MEASURES**SIGNS AND SYMPTOMS OF EXPOSURE:**

Eyes: Irritation Skin: Irritation Inhalation: dizziness, drowsiness, nausea

FIRST AID & EMERGENCY PROCEDURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes, lifting eyelids occasionally during flushing to facilitate irrigation. Seek medical attention.

Skin: Immediately wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Take immediately to hospital or physician.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: none

Extinguishing media

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

Non-combustible.

Vapors are heavier than air and may spread along floors.

In case of fire, the following can be released:

Hydrogen chloride (HCl)

Phosgene gas

carbon oxides (CO, CO₂).

Ambient fire may liberate hazardous vapors.

Advice for firefighters

· **Protective equipment:** Wear self-contained respiratory protective device.

· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Contain escaping vapors with water

SECTION 6: ACCIDENTAL RELEASE MEASURES

Soak up with absorbent material, remove to a chemical disposal area. Enclose with diking material to prevent seepage into any natural bodies of water. Absorb residue and dispose of all waste according to all local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep container closed when not in use. Do not breath gas/fumes/vapor/spray. Wash thoroughly after handling. Recommended storage temperature: 15-25 °C

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Component	C.A.S. #	ACGIH TWA/ppm	ACGIH STEL/ppm	OSHA TWA/ppm	Sara Title III
Methylene Chloride*	75-09-2	50	125	25	Yes

SUBJECT TO REPORTING OF SARA SECTION 313

Respiratory Protection: The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved) or supplied air equipment, depending on airborne concentration.

Ventilation: General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

Protective Gloves: The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.

Other Protective Clothing or Equipment: Safety glasses, chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

Special clothing is advised as good chemical handling practice. The availability of eye wash and safety showers in work areas is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F): 104	Vapor Density (Air=1): 2.93
Specific Gravity (H ₂ O=1): 1.320	Evaporation Rate (Butyl Acetate=1): 14.5
Vapor Pressure (mmHg): 355	Water Solubility: N/A
% Volatile by Volume: 65-75	Appearance and Odor: clear liquid, characteristic solvent odor

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** May not occur

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS OR BYPRODUCTS: Carbon monoxide, carbon dioxide, smoke, fumes, other unidentified toxic materials. (see section 5)

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

- LD/LC50 values relevant for classification
- Component: 75-09-2 dichloromethane
- Oral LD50 1600 mg/kg (rat)
- Dermal LD50 >2000 mg/kg (rat)

Signs And Symptoms Of Exposure:

Eyes: Irritation Skin: Irritation Inhalation: dizziness, drowsiness, nausea

Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC.

MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance may be toxic to blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

Repeated or prolonged exposure to the substance can produce target organs damage.

SECTION 12: ECOLOGICAL INFORMATION

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

D.O.T. Shipping Name: UN2810, Toxic liquid, Organic, nos (dichloromethane) 6.1, PGII

HMIS Rating: Health: 2

Flammability: 1

Reactivity: 0

Contains:

	cas number
Methylene Chloride	75-09-2

D.O.T. Label: Toxic 6

SECTION 15: REGULATORY INFORMATION

Federal and State Regulations:

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: methylene chloride,

California RTK: methylene chloride

Florida RTK: methylene chloride

New Jersey RTK: methylene chloride

Pennsylvania RTK: methylene chloride

Massachusetts RTK: methylene chloride

Minnesota RTK: methylene chloride

TSCA 8(b) inventory: methylene chloride

SARA 313 toxic chemical notification and release reporting: methylene chloride

CERCLA: Hazardous substances.: methylene chloride

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S29- Do not empty into drains. S33- Take precautionary measures against static discharges.

Canada:

DSL/NDSL: CAS# 75-09-2 is listed on Canada's DSL list.

WHMIS: This product has a WHMIS classification of D1B, D2A, D2B. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and this MSDS contains all the information required by those regulations.

Ingredient Disclosure List: CAS# 75-09-2 is not listed on Canada's Ingredient Disclosure List.

DSCL (EEC):

Hazard Symbols: Xn

Risk Phrases: R40 – Possible risk of irreversible effects.

Safety Phrases: S23 – Do not inhale gas/fumes/vapor/spray; S24/25 – Avoid contact with skin and eyes; S36/37: Wear suitable protective clothing and gloves.

WGK (Water Danger/protection): CAS# 75-09-2: 2

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 1
Reactivity: 0
Specific hazard: none

SECTION 16: OTHER INFORMATION

Updated: 5/1/15

*****SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED*****

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Precision Adhesives as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Precision Adhesives assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.