

PRECISION ADHESIVES, INC.

MATERIAL SAFETY DATA SHEET

Updated: 11/11/11

PRODUCT NAME: PA-106

SECTION I: MATERIAL IDENTIFICATION:

IDENTITY: NON-FLAMMABLE DUCT INSULATION ADHESIVE

MANUFACTURER:

PRECISION ADHESIVES, INC.
51 WASHINGTON STREET
PERTH AMBOY, NJ 08861

PHONE: 732-442-0414
FAX: 732-442-9568
TOLL FREE: 1-800-456-3021

CHEMTREC PHONE NUMBER: 1-800-424-9300

SECTION II -- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:

Hazardous Components	CAS#	%	TLV (units)
METHYLENE CHLORIDE*	75-09-2	80	25 PPM ACGIH 25 PPM OSHA

TSRN 75158700 5000P
TSRN 75158700 5001P
TSRN 75158700 5002P
TSRN 75158700 5003P
TSRN 75158700 5004P
TSRN 75158700 5013P

SUBJECT TO REPORTING OF SARA SECTION 313

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point	113 °F	Vapor Density (AIR=1)	3.1
Specific Gravity (H ₂ O=1)	1.248	Evaporation Rate (Butyl Acetate=1)	13.3
Vapor Pressure (mm Hg)	100	Solubility in Water	2%
Percent Volatile by Weight	80.0		
Appearance and Odor	Blue colored liquid, ether like solvent odor		

SECTION IV: FIRE AND EXPLOSION HAZARD DATA:

EXTINGUISHING MEDIA: USE WATER, DRY CHEMICALS OR CO₂

FLASH POINT: NONE

FLAMMABLE LIMITS:	LEL	UEL
METHYLENE CHLORIDE	12 %	19 %

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear NIOSH/MSHA-approved, self-contained breathing apparatus for possible exposure to hydrogen chloride and possible traces of phosgene.

UNUSUAL FIRE & EXPLOSION HAZARDS: Vapors concentrated in a confined or poorly ventilated area can be ignited upon contact with a spark, flame or high intensity source of heat. This can occur at concentrations between 12% and 19% by volume. Decomposition or burning can produce hydrogen chloride & possible traces of phosgene.

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SECTION V: REACTIVITY DATA:

Stability: stable

Conditions to Avoid: Strong acids & oxidizing agents, open flames, sparks or excessive heat

Incompatibility (materials to avoid): same as above

Hazardous Decomposition Products or Byproducts: Decomposition or burning can produce HCL or possible traces of Phosgene

Hazardous Polymerization: may not occur

Conditions to Avoid: Explosive mixtures with oxygen under pressure

SECTION VI: HEALTH HAZARD DATA:

Routes of Entry: Eyes, Skin, Inhalation, Ingestion

SIGNS AND SYMPTOMS OF EXPOSURE:

EYES: liquid mildly irritating to eyes.

SKIN: liquid mildly irritating to skin.

INHALATION: toxic - may cause dizziness, headaches, nausea, anesthetic effect. lack of co-ordination, unconsciousness

INGESTION: toxic

FIRST AID AND EMERGENCY PROCEDURES:

EYES: Flush with a gentle stream of water for at least 15 minutes, if irritation occurs, consult a physician.

SKIN: Remove contaminated clothing and shoes. Wash thoroughly with water and soap. If irritation occurs, consult a physician.

INHALATION: Remove to fresh air give artificial respiration, preferable mouth-to-mouth. If breathing is difficult, give oxygen .CALL A PHYSICIAN.

INGESTION: TAKE IMMEDIATELY TO A HOSPITAL OR PHYSICIAN.

Note to Physician: NEVER administer adrenalin following over-exposure. Increased sensitivity of the heart to adrenalin may be caused by over-exposure.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE:

SPILL OR LEAK PROCEDURES: Immediately evacuate the area and provide maximum ventilation. Unprotected personnel should move upwind of spill. Only personnel equipped with proper respiratory, eye and skin protection should be permitted in area. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover or absorb spilled material with sawdust or vermiculite and sweep into containers for disposal. Close containers. After all visible traces have been removed, thoroughly wet vacuum the area. DO NOT flush to sewer. If area of spill is porous, remove contaminated earth, gravel, etc., as necessary and place in containers for disposal (SEE BELOW).

HEAT EXPANSION CAUTION: This product contains a chlorinated solvent, methylene chloride, which expands from exposure to heat from any source, such as hot weather or sunlight. This material should be stored in a cool place, away from any source of heat. When opening the container, please read and follow all of the cautions and directions on the label.

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WASTE DISPOSAL: CARE MUST BE TAKEN WHEN DISPOSING OF CHEMICAL MATERIALS AND/OR THEIR CONTAINERS TO PREVENT ENVIRONMENTAL CONTAMINATION. IT IS YOUR DUTY TO DISPOSE OF THE CHEMICAL MATERIALS AND/OR THEIR CONTAINERS IN ACCORDANCE WITH THE CLEAN AIR ACT, THE CLEAN WATER ACT, THE RESOURCE CONSERVATION AND RECOVERY ACT AND ALL RELEVANT STATE, LOCAL AND FEDERAL LAWS/ REGULATIONS REGARDING WASTE DISPOSAL.

SECTION VIII: CONTROL MEASURES:

VENTILATION: Where possible use mechanical means to exhaust fumes sufficient to maintain concentration below permissible exposure limits.

RESPIRATORY PROTECTION: respiratory protection required if airborne concentration exceeds TLV. At concentrations above 100 ppm, a self-contained breathing apparatus or supplied-air respirator is advised.

PROTECTIVE GLOVES: polyethylene, neoprene or polyvinyl alcohol

EYE PROTECTION: splash-proof goggles

SECTION IX: SPECIAL PRECAUTIONS AND/OR COMMENTS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

1. DO NOT USE IN POORLY VENTILATED OR CONFINED SPACES.
2. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS.
3. KEEP CONTAINERS CLOSED WHEN NOT IN USE.
4. DO NOT STORE IN OPEN, UNLABELED OR MISLABELED CONTAINERS.
5. LIQUID OXYGEN OR OTHER STRONG OXIDANTS MAY FORM EXPLOSIVE MIXTURES WITH THIS MATERIAL.
6. THIS MATERIAL OR ITS VAPORS WHEN IN CONTACT WITH FLAMES, HOT GLOWING SURFACES OR ELECTRIC ARCS CAN DECOMPOSE TO FORM HYDROGEN CHLORIDE GAS AND TRACES OF PHOSGENE.
7. AVOID CONTAMINATION OF WATER SUPPLIES.
8. AVOID PROLONGED OR REPEATED BREATHING OF VAPORS.
9. USE ONLY WITH ADEQUATE VENTILATION
10. AVOID CONTACT WITH EYES
11. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.
12. DO NOT TAKE INTERNALLY.

SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED

NOT RECOMMENDED FOR OUTDOOR USE.

BECAUSE WE HAVE NO CONTROL OVER THE MANNER IN WHICH THIS PRODUCT MAY BE USED, WE CANNOT GUARANTEE THE END RESULTS TO BE OBTAINED IN OUR CUSTOMERS' PROCESSES. PRECISION ADHESIVES, INC. SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE, OR INJURY, WHETHER ORDINARY, DIRECT, INCIDENTAL OR CONSEQUENTIAL, ARISING FROM THE PURCHASE, POSSESSION, HANDLING, USE, OR INABILITY TO USE THIS MATERIAL.