



# MATERIAL SAFETY DATA SHEET

FILE NO.: P1V1  
MSDS DATE: 11/30/2009  
MSDS No.: P1113009

**Product: P1**

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** P1 Removable PermaTack  
**PRODUCT CODES:** P1QT1, P1GL1, P1GL5  
**COMPANY NAME:** SmartAdhesives LLC  
**ADDRESS:** San Francisco, CA 94129

**EMERGENCY PHONE:** Chemtrec: 1-800-424-9300

**PRODUCT USE:** Removable Pressure Sensitive Adhesive  
**ISSUE DATE:** 11-30-2009

## SECTION 2: INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENT:</u>	<u>C.A.S. No.</u>	<u>% by Wt.</u>
Vinyl Acetate (monomer)	108-05-4	0.1 - < 1.0%

## SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Normal physical form - liquid

### IMMEDIATE HEALTH AND ENVIRONMENTAL HAZARDS

While this material is not considered as hazardous under OSHA regulations, the MSDS contains valuable information concerning the safe handling and proper use of the product.

No known physical hazards. Contains trace amounts of vinyl acetate monomer remaining from production process.

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** May cause slight irritation.

**SKIN CONTACT:** May cause allergic skin reaction.

**INHALATION:** No known acute toxic respiratory tract effects.

**INGESTION:** Not expected to be ingested under normal conditions of use. No known ingestion hazards.

### MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Not established.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE:

None.

### FURTHER INFORMATION:

This material contains trace amounts of vinyl acetate monomer. Vinyl acetate is metabolized into acetaldehyde, which has an IARC 2B classification, and thus vinyl acetate is also listed in category 2B.

### CARCINOGENICITY

Vinyl Acetate (monomer)

**OSHA:** NO

**NTP:** NO

**IARC:** 2B

**SECTION 4: FIRST AID MEASURES**

<b>EYES:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If symptoms occur, seek medical advice.
<b>SKIN:</b>	Wash skin with mild soap and plenty of warm water. If symptoms occur, seek medical advice.
<b>INGESTION:</b>	Do not induce vomiting unless directed to do so by medical personnel. If conscious, drink two glasses of water. Never give anything by mouth to an unconscious person. If symptoms occur, seek medical attention.
<b>INHALATION:</b>	Move to fresh air. No special measures required.

**SECTION 5: FIRE FIGHTING MEASURES**

**FLAMMABILITY:** Combustible Liquid Class IIIB

**FLAMMABLE LIMITS UPPER:** not applicable  
**(% BY VOLUME) LOWER:** not applicable

**FLASH POINT:** not applicable  
**AUTOIGNITION TEMP:** not applicable

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** 1    **FLAMMABILITY:** 1    **REACTIVITY:** 0

**HMIS HAZARD CLASSIFICATION**

**HEALTH:** \*1    **FLAMMABILITY:** 1    **REACTIVITY:** 0

**EXTINGUISHING MEDIA:** Use water fog, dry chemical, carbon dioxide, foam or water. Water may be used to cool adjacent tanks and structures. Avoid spreading burning liquid with water used for cooling purposes.

**SPECIAL FIRE FIGHTING PROCEDURES:**  
Wear self-contained breathing apparatus and full protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
None

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
see Section 10

**SECTION 6: ACCIDENTAL RELEASE MEASURES****ACCIDENTAL RELEASE MEASURES:**

No action shall be taken involving any personal risk or without suitable training. If material is released, indicate risk of slipping. Put on appropriate personal protective equipment (see section 8). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

For small spills, absorb with liquid binding material such as diatomaceous earth, sand, silica gel, acid binder, universal binder, and sawdust. For large spills, pump into suitable containers and dispose in appropriate waste disposal container. Clean up area with plenty of water. Dispose of cleansing water and all material in accordance with Federal, State, and local regulations.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face with soap and water before eating, drinking and smoking.

Spilled material increases risk of slipping. No special precautions against fire and explosion are required. Containers of this material may be hazardous when emptied due to product residues, including vapors.

**STORAGE:** Do not store below 32 °F (0 °C). Keep from freezing. Store in cool, dry, ventilated area in accordance with local regulations.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS**

**VENTILATION :** Use with adequate ventilation.

**RESPIRATORY PROTECTION:** Not normally required.

**EYE PROTECTION:** Avoid contact with eyes. Use safety glasses with side shields or indirect vented goggles.

**SKIN PROTECTION:** Any liquid tight vinyl or rubber gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

If splashing might occur, wear protective clothing such as an apron, lab coat, coveralls or other appropriate clothing to cover skin. Facilities storing or utilizing this material should be equipped with eye wash fountains

**EXPOSURE GUIDELINES:**

	<u>Organization</u>	<u>Type</u>	<u>Limit</u>
Vinyl Acetate (monomer)	ACGIH (TLV)	TWA	10 ppm
		STEL	15 ppm
	OSHA (PEL)		not regulated

ACGIH: American Conference of Governmental Industrial Hygienists  
 OSHA: Occupational Safety and Health Administration

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>COLOR &amp; APPEARANCE:</b>	white liquid	<b>VAPOR PRESSURE (mmHg):</b>	18.6 at 70°F (21°C)
<b>ODOR THRESHOLD:</b>	slightly sweet	<b>VAPOR DENSITY (AIR=1):</b>	not available
<b>PHYSICAL FORM:</b>	liquid	<b>SPECIFIC GRAVITY (H2O=1):</b>	1.05 ± 0.4
<b>FLAMMABLE LIMITS</b>		<b>EVAPORATION RATE:</b>	not available
<b>LEL:</b>	not applicable		
<b>UEL:</b>	not applicable		
<b>BOILING POINT:</b>	212°F (100°C)	<b>SOLUBILITY IN WATER:</b>	moderately soluble
<b>AUTOIGNITION TEMP:</b>	not available	<b>VISCOSITY:</b>	5,000 ± 200 cP
<b>FLASH POINT:</b>	not applicable	<b>VOLATILE ORGANIC COMPOUNDS (VOC)</b>	
(Pensky-Martens Closed Cup ASTM D 93)		<b>VOC:</b>	NA
		<b>VOC less H2O &amp; Exempt Solvent:</b>	NA
<b>pH AS SUPPLIED:</b>	4.4		

**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Material is stable.

**MATERIALS AND CONDITIONS TO AVOID (STABILITY):**  
 Keep from freezing.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**  
 Carbon dioxide. Carbon monoxide. Hydrocarbons. Aldehydes. Acetic Acid.

**HAZARDOUS POLYMERIZATION:** Cannot occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:**

Vinyl Acetate (monomer) - Acute Toxicity  
Acute oral LD50: >2,000 mg/kg (rat)

Experience with humans during manufacture and use: No information on damage to health.

**SECTION 12: ECOLOGICAL INFORMATION****ECOLOGICAL INFORMATION:**

Information on Elimination: Not readily biodegradable. Polymer component is eliminated by adsorption to activated sludge. Separation by flocculation is possible.

Ecotoxicity: Carp (Cyprinus carpio) LC50 (96 hr.) >1,000 mg/L  
No expected damaging effects to aquatic organisms

Sludge EC10 (0.5 hr.) <1,000 mg/L (bacteria toxicity: respiration/reproduction inhibition)  
According to current knowledge, no expected adverse effects on water purification plants

Prevent material from entering surface waters and soil. Do not introduce into water purification plants unless in diluted state. No environmental problems are expected if handled and treated in accordance with standard industrial practices and local regulations. The ecological results were obtained from tests on similar products.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of product in accordance with regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. After chemical deflocculation, can be stored with domestic waste. Disposal of this product, solutions and any by-products should at all times comply with Federal, State and local regulations.

**RCRA HAZARD CLASS:** none

**SECTION 14: TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION (49 CFR)**

**PROPER SHIPPING NAME:** Not a DOT controlled material

**INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)**

**PROPER SHIPPING NAME:** Not subject to IATA regulations

**WATER TRANSPORTATION (IMO/IMDG)**

**PROPER SHIPPING NAME:** Not subject to IMDG code

**SECTION 15: REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS****TSCA (Toxic Substance Control Act)**

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. No TSCA 12(b) Export Notification chemicals are present in this product.

**311/312 HAZARD CATEGORIES:**

Chronic: yes      Reactivity: no      Acute: no

**SECTION 313: (Toxic chemicals subject to reporting requirements of that section and 40 CFR part 372 (EPCRA))**

Vinyl Acetate (monomer) upper limit by wt.: 0.4%

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION, AND LIABILITY ACT):**

Vinyl Acetate (monomer) 108-54-4      RQ: 5,000 lbs.      upper limit by wt.: 0.4%

**STATE REGULATIONS**

California Prop. 65: Carcinogen: Acetaldehyde (CAS 75-07-0); 1,4-Dioxane (123-91-1); Ethylene Oxide (75-21-8)  
 Reproductive: Ethylene Oxide (75-21-8)

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:**

**HMIS Rating**

<b>Health</b>	<b>*1</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**NFPA Rating**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>

**PREPARATION INFORMATION:**

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