

## MATERIAL/CHEMICAL SAFETY DATA SHEET

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

#### Product Details

Product Name: Spray Adhesive

Allied Item No.: 50-10500

Chemical Name: Spray Adhesive

#### Company Identification

Allied High Tech Products, Inc.  
2376 East Pacifica Place  
Rancho Dominguez, CA 90220  
(310) 635-2466

#### Contact Point

Transportation for United States  
Chemtrec (800) 424-9300 \* (202) 483-7616

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Exposure Limits in Air		Carcin. Y/N
		ACGIH TLV or TWA	OSHA PEL	
Dimethyl Ether 30-60%	115-10-6	500 ppm	NA	N
Trade Secret* 10-30%	NA	NA	NA	N
Pentane 10-30%	109-66-0	600 ppm	600-1000 ppm	N
Acetone 5-10%	67-64-1	500-750 ppm	750-1000 ppm	N
Cyclohexane 5-10%	110-82-7	300 ppm	300 ppm	N
Benzene <0.02%	71-43-2	0.5-1 ppm	0.5-1 ppm	Y

\*Synthetic Polymers, resin, oil and antionidant - All are non-volatile components.

Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

#### HMIS Ratings

Health: 2  
Flammability: 4  
Reactivity: 0

### SECTION 3: HAZARDS IDENTIFICATION

**Emergency Overview:** Intentional concentration and inhalation may be harmful or fatal.

**Central nervous system depression:** Can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness, tremors, convulsions and unconsciousness.

**Aspiration pneumonitis:** Can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia which can be fatal.

Prolonged/repeated exposure above recommended guidelines may cause kidney effects; reduced urine volume, blood in urine and back pain, yellow skin and tenderness of upper abdomen.

**Warning:** Contains Benzene which can cause cancer.

**Warning:** Contains Benzene which can cause birth defects and male reproductive harm.

### SECTION 4: FIRST AID MEASURES

	Potential Health Effects	First Aid/ Medical Info.
Eye Contact:	Mild irritation which can include redness, swelling, pain and tearing.	Flush eyes with large amounts of water. Seek medical attention immediately.
Skin Contact:	May cause irritation, swelling, redness, and itching.	Flush skin with large amounts of water. If irritation persists seek medical attention.
Inhalation:	Intentional concentration and inhalation may be harmful or fatal.	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult get immediate medical attention.
Ingestion:	May cause physical blockage including cramping, abdominal pain, nausea, vomiting and constipation.	Do NOT induce vomiting. Give victim two glasses of water. Seek medical attention.

Note: See Section 3.

Cancer: Warning contains a chemical which can cause cancer.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Carbon dioxide, dry chemical, foam.

**Fire Fighting Instruction:** Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece.

**Special Hazards:** Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame and other sources of ignition. Extremely flammable.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Ventilate area. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect using non-sparking tools. Clean up residue with an appropriate organic solvent. Place contaminated absorbent and other materials into approved metal container.

<p><b>SECTION 7: HANDLING &amp; STORAGE</b></p>	<p><b>SECTION 12: ECOLOGICAL INFORMATION</b></p>
<p><u>Handling:</u> Avoid inhalation, contact with eyes and skin. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. Observe good housekeeping practices. Do not eat, drink, or smoke while using. Wash hands thoroughly after handling and before eating.</p> <p><u>Storage:</u> Store in a cool dry place at temperatures below 120°F (49°C). Keep out of reach of children.</p>	<p>Not determined.</p>
<p><b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b></p>	<p><b>SECTION 13: DISPOSAL INFORMATION</b></p>
<p><u>Engineering Measures:</u> Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below exposure limits and/or control dust, fume or airborne particles.</p> <p><u>Respiratory Protection:</u> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><u>Protective Gloves:</u> Butyl rubber or neoprene gloves</p> <p><u>Eye Protection:</u> Vented goggles or safety glasses with side shields</p> <p><u>Other:</u> Eye wash and shower facility should be available.</p>	<p>Incinerate in a permitted hazardous waste incinerator. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill.</p>
<p><b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b></p>	<p><b>SECTION 14: TRANSPORT INFORMATION</b></p>
<p>Appearance: Liquid in aerosol container, amber                  Odor: Solvent odor                  Solubility: Nil                  Boiling Point: Compressed gas                  Melting Point: NE                  Flash Point: -50°F (-46°C)                  Vapor Pressure: Compressed gas                  Vapor Density: NE                  Evaporation Rate: NE                  Specific Gravity: 0.716                  Flammable Limits LEL: NA                  Flammable Limits UEL: Flammable gas</p>	<p>No information available.</p>
<p><b>SECTION 10: STABILITY &amp; REACTIVITY</b></p>	<p><b>SECTION 15: REGULATORY INFORMATION</b></p>
<p><u>Stability:</u> Stable</p> <p><u>Conditions to Avoid/Incompatibles:</u> Heat</p> <p><u>Decomposition Products:</u> Carbon monoxide, carbon dioxide, toxic vapors, gases or particulates.</p> <p><u>Hazardous Polymerization:</u> Will not occur.</p>	<p><u>Volatile Organic Compounds:</u> 73% by wt.  <u>Volatile Organic Compounds:</u> 4.36 lb./gal calculated  <u>Volatile Organic Compounds:</u> 523 gms/liter calculated per SCAQMD rule 443.1  <u>Volatile Organic Compounds Less H<sub>2</sub>O &amp; Exempt Solvents:</u> 568 gms/liter calculated per SCAQMD rule 443.1</p> <p>Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.</p> <p><u>U.S. EPA Hazardous Waste Number:</u> D001 (Ignitable), D018 (Benzene)  <u>EPCRA Hazard Class:</u> Fire Hazard/Pressure/Acute/Chronic: Yes; Reactivity: No</p>
<p><b>SECTION 11: TOXICOLOGICAL INFORMATION</b></p>	<p><b>SECTION 16: OTHER INFORMATION</b></p>
<p>NA</p>	<p><b>Legend</b>                  NAIF: No Applicable Information Found                  NA: Not Available/Applicable                  NE: None Established</p> <p><b>DISCLAIMER:</b> The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p> <p>Form Prepared By: Allied High Tech Products, Inc. 2/1/2006</p>