TED PELLA, INC.
Microscopy Products for Science and Industry

Material Safety Data Sheet
Product No. 821-1, 821-3 Crystalbond™ 509 Light Amber, Clear

Issue Date (06-25-07)
Review Date (04-12-12)

Section 1: Product and Company Identification

Product Name: Crystalbond™ 509 Light Amber, Clear
Synonym: Mounting adhesive polymer
Company Name
Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477
Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Phthalic Anhydride* (85-44-9)	NA*	1 PPM	1PPM	No	No	No
Ethylene Glycol* (107-21-1)	NA*	50 PPM	50 PPM	No	No	No

* As part of Polymer

Section 3: Hazard Identification

Emergency overview
Appearance: Clear or clear amber solid.
Immediate effects: ND
Potential health effects
Primary Routes of entry: For product: ND
Signs and Symptoms of Overexposure: ND
Eyes: NA
Skin: If in molten state, exposure to skin will cause severe thermal burn.
Ingestion: NA
Inhalation: NA
Chronic Exposure: ND
Chemical Listed As Carcinogen Or Potential Carcinogen: None
See Toxicological Information (Section11)

Potential environmental effects
See Ecological Information (Section 12)

Section 4: First Aid Measures
If accidental overexposure is suspected
Eye(s) Contact: NA
Skin Contact: Treat for thermal burn. See physician.
Inhalation: NA
Ingestion: Contact physician.
Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures
Flash Point: >505 ºF. Method: COC
Flammable Limits: NA
Auto-ignition point: ND
Fire Extinguishing Media: Foam, carbon dioxide, dry powder.
Special Fire Fighting Procedures: Do not use water
Unusual Fire and Explosion Hazards: NA
Hazardous combustion products: Carbon monoxide, carbon dioxide.
DOT Class: None

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled: If material is unusable, sweep up and dispose of in a metal container.
Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage
Precautions to be Taken in Handling and Storage: Avoid excessive heat, sparks, open flame.
Storage temperature: Room temperature.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection
Engineering Controls
Ventilation required: Good industrial hygiene practice requires that employee exposure be maintained below the recommended TLV. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed
Personal Protection Equipment
Respiratory protection: Where dust cannot be controlled in this way, personal respiratory protection should be employed
Protective gloves: Gloves recommended
Skin protection: Care should be taken when in molten state.

Eye protection: Goggles recommended.
Additional clothing and/or equipment: NA
Exposure Guidelines
See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties
Appearance and Physical State: Clear or clear amber solid.
Odor (threshold): Odorless
Specific Gravity (H_2O=1):1.35
Vapor Pressure (mm Hg): 1.05
Vapor Density (air=1): 1
V.O.C. content (calculated): 0.705 gm/liter

Evaporation Rate (butyl acetate=1): Nil
Boiling Point: >300 ºF (starts to decompose)
Freezing point / melting point: 225 ºF
pH: NA
Solubility in Water: Nil
Molecular Weight: ND

Section 10: Stability and Reactivity
Stability: Stable
Conditions to Avoid: Excessive heat, sparks, open flames.
Materials to Avoid (Incompatibility): ND
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur

Section 11: Toxicological Information
Results of component toxicity test performed: ND
Human experience: ND
This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information
Ecological Information: ND
Chemical Fate Information: ND

Section 13 Disposal Considerations
RCRA 40 CFR 261 Classification: ND
Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information
US DOT Information: Proper shipping name: Not regulated.
IATA: Proper shipping name: Not regulated
IMO: Proper shipping name: Not regulated

Marine Pollutant: No
Canadian TDG: Not regulated.

Section 15: Regulatory Information
United States Federal Regulations
MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.
SARA:
SARA Title III: Chemical components of this product which are present in reportable amounts and are listed in section 313 of the emergency planning and community right to know act of 1986 (SARA title III) are shown below with their CAS registry numbers and maximum composition by weight.

Listed chemical	CAS number	max wt %
None		

RCRA: ND
TSCA: Components Listed
CERCLA: None
State Regulations
California Proposition 65: None listed.
International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND

Section 16: Other Information
Label Information: ND
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: ND
Hazard Rating: Health: **1**; Fire: **0**; Reactivity: **0**
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)
Abbreviations used in this document
NE= Not established
NA= Not applicable
NIF= No Information Found
ND= No Data

Disclaimer
Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.