

**NATIONAL CASEIN® COMPANY**  
**MATERIAL SAFETY DATA SHEET**

No. P-18

<b>SECTION I General Information</b>	<b>Emergency Telephone Number</b>
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Company Name and Address:  
**National Casein® Company**  
 601 West 80th Street  
 Chicago, Illinois 60620

Business Hours:  
 773-846-7300  
 24 Hour Emergency:  
 Chemtrec 1-800-424-9300

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Latest Revisions: **5/01**  
 Supersedes: 2/00

Trade Name(s) and Synonyms: 4508, 5596 Series, PVC-E-1, PVC-E 965, Wood-Stik HCR

Polyvinyl Acetate Adhesive

<b>SECTION II Hazardous Ingredients</b>	<b>Approx %</b>	<b>Exposure Limits</b>
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\*Vinyl Acetate Monomer  
 (108-05-4)

< 0.8

TLV 10 ppm TWA (ACGIH)  
 TLV 15 ppm STEL (ACGIH)

<b>SECTION III Physical and Chemical</b>	<b>Characteristics</b>
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**Boiling Point (F):** N/A  
**Specific Gravity (Approx.):** 1.06  
**% Volatiles (Approx.):** 10.5  
**pH (Approx.):** 4.5 - 6.5

**Physical and Chemical Descriptions:**  
 Milky white liquid

Formulated Product Mixture

<b>SECTION IV Physical Hazards (Fire and Explosion)</b>
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**Flash Point:** N/A (water base)

**Extinguishing Media:** Water spray, dry chemical, alcohol-resistant foam, CO<sub>2</sub>

**Hazardous Decomposition Products:** Acetic acid. Carbon monoxide and/or carbon dioxide may be released in a fire situation.

**Unusual Fire and Explosion Hazards/Procedures:** May generate toxic or irritating combustion products.

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SECTION V Health Hazard Data

**Exposure Limits:**

See Section II.

**Primary Route of Entry (Target Organs):**

**Inhalation:** Nose, throat, lungs, central nervous system

**Contact:** Eyes, skin

**Ingestion:** Gastrointestinal system, liver, kidney

**Emergency and First Aid Procedures:**

**Inhalation:** Move to fresh air. If breathing has stopped or is labored, give assisted respiration. Prevent aspiration of vomit. Turn victim's head to the side. Seek medical attention.

**Eyes:** Flush with water for 20 minutes. Call physician if symptoms develop.

**Skin:** Wash off thoroughly with soap and water. Launder contaminated clothing prior to reuse. Seek medical attention if symptoms persist.

**Ingestion:** Drink large quantities of water or milk. Immediately contact poison control center or physician for further direction. Never give anything by mouth to an unconscious person.

**Chronic Health Hazards:**

Sore throat.

**Effects of Overexposure:**

Possible inhalation in the respiratory tract.

**Carcinogenic Status:**

Vinyl acetate monomer is considered a possible carcinogen in animals.

**Conditions Aggravated by Exposure:**

None known.

SECTION VI Chemical Hazard Data (Reactivity)

**Stability (Conditions to Avoid):** Stable at ambient temperatures. Coagulation may occur following freezing, thawing, or boiling.

**Incompatibility (Materials to Avoid):** Reactive metals.

**Hazardous Decomposition Products:** Acetaldehyde may increase from hydrolysis of residual vinyl acetate monomer. Carbon monoxide, carbon dioxide may be produced in a fire situation. Acetic acid. Irritating and toxic fumes may be released at high temperatures. Aldehydes. Toxic cyanates.

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SECTION VII Spill or Leak Procedures

**Steps to be taken if Released or Spilled:** Eliminate all ignition sources. Equipment used must be grounded. Stop the leak if possible. Ventilate the space. Construct a dike if large spill. Prevent spilled material from entering waterways, sewers, or confined spaces. If recovery is not possible, admix with dry soil, sand, or nonreactive absorbent and place in container for disposal. Flush area with water. Use SCBA and butyl rubber gloves. Use care to avoid falls.

**Waste Disposal Method:** Comply with all federal, state, and local regulations.

SECTION VIII Special Protection Information

**Ventilation:** Well ventilated area needed.

**Respiratory Protection:** Not required under normal conditions in a well-ventilated area. NIOSH approved for organic vapors is recommended.

**Eye Protection:** Goggles/glasses recommended

**Protective Gloves:** Rubber gloves recommended

**Other Protective Equipment:** Provide eyewash facility, emergency shower, protective clothing for workers exposed to splashing.

SECTION IX Special Precautions/Procedures/Comments

**Precautions in Handling and Storing:** Keep from freezing. Avoid breathing vapors. Handle in well-ventilated work space. When handling, do not eat, drink, or smoke. Avoid contact with skin.

**Comments:** Avoid overexposure to all chemical products.

SARA, TITLE III, SEC. 313 NOTIFICATION  
See Section II - Chemicals marked with an asterisk (\*) are subject to reporting requirements of Sec. 313.

NATIONAL CASEIN® PRODUCT HAZARD RATING  
REALISTIC FOR USE:  
(NONE-LOW-MEDIUM-HIGH)  
HEALTH - Low (1)  
FIRE - None (0)  
REACTIVITY - None (0)

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, National Casein® Company makes no warranty with respect thereto and disclaims all liability from reliance thereon.