

**MATERIAL SAFETY DATA SHEET**

AA-1104HB

MEETS OSHA 29 CFR 1910.1200

**IDENTITY:** PVC CEMENT  
**Product Code:** AA-1104HB

**Section I**

**Manufacturer's Name**  
 Arrow Adhesives Company  
 5457 Spalding Drive  
 Norcross, GA 30092  
 info@arrowadhesives.com

**Emergency Telephone Number**  
 800-424-9300  
**Numbers for Information**  
 Tel: 770-448-9058 Fax: 770-449-1361  
**Date Prepared**  
 October 10, 2003

**Section II – Hazardous Ingredients/Identity Information**

| <u>Hazardous Components:</u> | <u>CAS #</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>NFPA Rating H-F-R</u> | <u>HMIS Rating H-F-R</u> |
|------------------------------|--------------|-----------------|------------------|--------------------------|--------------------------|
| TETRAHYDROFURAN              | 109-99-9     | 200 ppm         | 200 ppm          | 2-3-1                    | 2-3-1                    |
| * METHYL ETHYL KETONE        | 78-93-3      | 200 ppm         | 200 ppm          | 1-3-0                    | 3-3-0                    |
| CYCLOHEXANONE                | 108-94-1     | 25 ppm          | 25 ppm           | 1-2-0                    | 2-2-0                    |

\* This chemical is subject to reporting requirements of SARA Title III Section 313.

**Section III – Physical/Chemical Characteristics**

|                                 |                             |   |      |
|---------------------------------|-----------------------------|---|------|
| <b>Boiling Point:</b>           | 151° F                      | <b>Specific Gravity (H<sub>2</sub>O = 1):</b>   | 0.91 |
| <b>Vapor Pressure (mm Hg.):</b> | 143                         | <b>Melting Point:</b>                           | N.A. |
| <b>Vapor Density (AIR = 1):</b> | 2.5                         | <b>Evaporation Rate:</b><br>(Butyl Acetate = 1) | 8    |
| <b>Solubility in Water:</b>     | Nil                         |   |      |
| <b>Appearance and Odor:</b>     | Liquid with ether-like odor |   |      |

**Section IV – Fire and Explosion Hazard Data**

**Flash Point:** 6° F (TCC) **Flammable Limits:** LEL: 2% UEL: 13%

**Extinguishing Media:** Dry chemical or carbon dioxide or foam

**Special Fire Fighting Procedures:** Direct extinguisher at base of flames

**Unusual Fire and Explosion Hazards:** Vapor is heavier than air and may travel along floor or ground to ignition sources away from use area.

**Section V – Reactivity Data**

**Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility (Materials to Avoid):** Strong oxidizing agents

**Hazardous Decomposition or Byproducts:** Carbon dioxide, carbon monoxide, hydrogen chloride

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** None

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**Section VI – Health Hazard Data**

Route(s) of Entry:    Inhalation? Yes            Skin? Yes            Ingestion? No, unless accidental

**Health Hazards (Acute and Chronic):**

- Inhalation** - Excessive inhalation can cause nasal and respiratory irritation and central nervous system effects.
- Skin** - Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
- Eyes** - Causes irritation, burns if not removed.
- Chronic** - Over-exposure has apparently been found to cause the following effects in lab animals: Liver abnormalities, kidney, lung, and brain damage.

Carcinogenicity:    NTP? No            IARC MONOGRAPHS? No            OSHA Regulated? No

**Signs and Symptoms of Exposure:**

- Inhalation** - Dizziness, headaches, nausea
- Skin** - Irritation, defatting
- Eyes** - Irritation, redness

**Medical Conditions Generally Aggravated by Exposure:** No information available

**Emergency and First Aid Procedures:**

- Inhalation** - Remove to fresh air.
- Ingestion** - Drink 1 or 2 glasses of water. Do not induce vomiting, call physician.
- Skin Contact** - Wash with soap and water. Remove contaminated clothing.
- Eye Contact** - Flush thoroughly with large amounts of water for fifteen minutes.

**Section VII – Precaution for Safe Handling and Use**

**Steps To Be Taken in Case Material Is Released or Spilled:** Eliminate ignition sources, flames, pilot lights and turn off electric motors. Absorb liquid on rags or paper towels and remove to outdoors. Ventilate area.

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations.

**Precautions to Be Taken in Handling and Storing:** Store in cool area away from pilot lights and ignition sources.

**Other Precautions:** Keep container closed when not in use.

**Section VIII – Control Measures**

**Respiratory Protection (Specify Type):** Use NIOSH approved respirator if TLV exposure limits are exceeded.

**Ventilation: Local Exhaust** - Open doors and windows and use only in a well-ventilated area.  
**Mechanical** - Use mechanical exhaust if necessary to maintain exposure below TLV.

**Protective Gloves:** Wear rubber gloves if excessive skin contact may occur.

**Eye Protection:** Wear eye protection if splashing of product is likely.

**Protective Clothing or Equipment:** None.

**Work/Hygienic Practices:** Wash hands thoroughly after handling.