MATERIAL SAFETY DATA SHEET

A. PRODUCT IDENTIFICATION

MANUFACTURER'S NAME Union Rubber, Inc.  
REGULAR TELEPHONE NO. (609) 396-9328  
EMERGENCY TELEPHONE NO. (609) 324-1133

ADDRESS 232 Allen Street, Trenton, New Jersey 08606  P.O. Box 1040

PRODUCT NAME BEST TEST Paper Cement

CHEMICAL NAME Natural Rubber dissolved in solvent

SHIPPING DOT: Cement, rubber  
DOT IDENT. NO. NA1133

NAME IATA: Cement, rubber  
IATA IDENT. NO. UN1133

B. COMPONENTS AND HAZARD INFORMATION

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>CAS NO. OF COMPONENTS</th>
<th>APPROXIMATE CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane</td>
<td>142-82-5</td>
<td>87.0%</td>
</tr>
<tr>
<td>Natural Rubber</td>
<td>69005-04-6</td>
<td>12.9%</td>
</tr>
<tr>
<td>Non Hazardous Processing Aids</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100.0%</td>
</tr>
</tbody>
</table>

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>0</td>
</tr>
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</table>

EXPOSURE LIMITS IN AIR FOR HEPTANE

OSHA PEL (Permissible Exposure Limit) 400 ppm  
ACGIH TLV (Threshold Limit Value) 400ppm

C. EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN CONTACT

In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

INHALATION

If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

INGESTION

If ingested, DO NOT induce vomiting; call a physician immediately.
D. FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT
Less than -4.7°C (25°F)

EXPLOSIVE LIMIT
Estimated Lower Limit 1.1%

HANDLING PRECAUTIONS
Keep product away from heat, sparks, pilot lights, static electricity and open flame.

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES
Foam, water spray (lag), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents are suitable for extinguishing fires involving this product.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS
Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION

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E. HEALTH AND HAZARD INFORMATION

EFFECTS OF ACUTE OVEREXPOSURE
High vapor concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, fatigue, nausea, and even asphyxiation. If swallowed may cause gastrointestinal irritation, vomiting, and diarrhea.

Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis.

Product contacting eyes may cause eye irritation.

CARCINOGENICITY
This product is NOT listed as a carcinogen or potential carcinogen by the American Conference of Governmental Hygienists (ACGIH), the National Toxicology Program (NTP) or the National Institute for Safety & Health (NIOSH).

F. PHYSICAL DATA

The following data are approximate or typical values and should not be used for precise design purposes.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range</td>
<td>37-100°C (105.6-212°F)</td>
</tr>
<tr>
<td>Specific Gravity (H₂O=1)</td>
<td>0.79</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>Essentially neutral</td>
</tr>
<tr>
<td>Volatile Organic Compound Emissions (VOC)</td>
<td>5.04 lbs/gal</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Approximately 20 mm Hg</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>Approximately 3.5</td>
</tr>
<tr>
<td>Percent Volatile by Volume</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate (n-Butyl Acetate=1)</td>
<td>4.5</td>
</tr>
<tr>
<td>Product Appearance and Odor</td>
<td>Pale straw color. Mild, bland, pleasant odor</td>
</tr>
</tbody>
</table>

G. REACTIVITY

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

H. SPILL OR LEAK PROCEDURES

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Continue to observe precautions for volatile, flammable vapors from absorbed material.

I. PROTECTION AND PRECAUTIONS

VENTILATION
Use only with ventilation sufficient to prevent exceeding recommended exposure limits or buildup of explosive concentrations of vapor in air. Use explosion proof equipment. No smoking or open lights.

RESPIRATORY PROTECTION
Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

PROTECTIVE GLOVES
Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION
Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT
Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

WORK PRACTICES/ENGINEERING CONTROLS
Keep containers and storage containers closed when not in use. Do not store near heat, sparks, flames or strong oxidants.

PERSONAL HYGIENE
Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Change skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

V#088384
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