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ISSUED 01-01-97

MATERIAL SAFETY DATA SHEET

A. PRODUCT IDENTIFICATION

MANUFACTURER'S NAME	Union Rubber, Inc.	REGULAR TELEPHONE NO. (609) 396-9328 EMERGENCY TELEPHONE NO. (606) 324-1133
ADDRESS	232 Allen Street, Trenton, New Jersey 08606 P.O. Box 1040	
PRODUCT NAME	BEST TEST Rubber Cement Code Nos. 140, 141, 142 & 143	
CHEMICAL NAME	Natural Rubber dissolved in solvent	
SHIPPING NAME	DOT: Cement, rubber	DOT IDENT. NO. NA1133
	IATA: Cement, rubber	IATA IDENT. NO. UN1133

B. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
Heptane	142-82-5	87.0%
Natural Rubber	69006-04-6	12.9%
Non Hazardous Processing Aids		00.1%
Total		100.0%

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health	Flammability	Reactivity
1	3	0

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

This product is stable and will not react violently with water. Hazardous polymerization will not occur 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 limit 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. Cleanse 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.

FLASH POINT
Less than -67°C (00°F)

EXTENSIVE LIMIT
Estimated Lower Limit 1.1%

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

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

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

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION

Health	1
Flammability	3
Reactivity	0

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 can 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.

Boiling Range	92-100°C (198-212°F)
Vapor Pressure	Approximately 40 mm Hg @20°C (68°F)
Vapor Density (Air=1)	Approximately 3.5
Percent Volatile by Volume	91.0 l atm and 25°C (77°F)
Evaporation rate (n-Butyl Acetate=1)	4.5
Product Appearance and Odor	Pale straw color. Mild, bland, pleasant odor.
Volatile Organic Compound Emissions (VOC)	5.04 lbs/gal