

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
JMS No. 1218-0072



**IDENTITY (As Used on Label and List)**  
HR-66 Vinyl Cement

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name R-H Products Co., Inc.	Emergency Telephone Number 1-800-536-5053
Address (Number, Street, City, State, and ZIP Code) 308 Old High St. P.O. Box 2301	Telephone Number for Information 1-978-297-8000
Acton, MA USA 01720	Date Prepared Feb. 26, 1996 Updated Jan. 5, 2000
	Signature of Preparer (optional) <i>Y. Kelly</i>

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

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	Weight % (optional)
Methyl Ethyl Ketone CAS# 78-93-3	200 ppm	200 ppm		46 %
Acetone CAS# 67-64-1	750 ppm	750 ppm		21.5%
Toluene CAS# 108-88-3	100 ppm	100 ppm	5A ppm EXEM	19 %

Toluene and Methyl Ethyl Ketone are subject to the reporting requirements of section 313 of SARA Title III.

OSHA Hazard - Flammable, Irritant	V.O.C.'s total: 6.4lbs./Gal.
ERG # 127	Regulated V.O.C.'s: 4.7 lbs/Gal
HAZARD RATINGS: Health-1; Flammability-3; Reactivity-0	with the delisting of 10/05/95
NFPA RATINGS: Health-2; Flammability-3; Reactivity-0	3-High 2-Moderate 1-Slight

Abbreviations used in MSDS: N/D Not Determined, N/A Not Applicable

**Section III — Physical/Chemical Characteristics**

Boiling Point Acetone	132°F	Specific Gravity (H <sub>2</sub> O = 1)	.87 - .88
Vapor Pressure (mm Hg) 68°F	180mm	Melting Point	N/D
Vapor Density (AIR = 1)	Heavier	Evaporation Rate (Butyl Acetate = 1)	Slower

Solubility in Water Insoluble

Appearance and Odor Clear; Fragrant mint-like odor, Sharp

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

Flash Point (Method Used) 6°F ASTM D-56	Flammable Limits	LEL 1%	UEL 12%
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Extinguishing Media Foam, Dry Chemical, CO<sub>2</sub>

Special Fire Fighting Procedures Fire Fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

Unusual Fire and Explosion Hazards Extremely Flammable. Overheated, closed container near to a fire could explode due to pressure buildup.

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**Section V -- Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

Incompatibility (Materials to Avoid) Strong Oxidizing Agents

Hazardous Decomposition or Byproducts CO<sub>2</sub> and CO when subjected to flames or excessive heat

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

**Section VI -- Health Hazard Data**

Route(s) of Entry:	Primary	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
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Health Hazards (Acute and Chronic) Eyes-Liquid mildly irritating. Overexposure may also cause irritation. Skin-Prolonged contact can cause defatting and possible dermatitis. Breathing-Overexposure may cause irritation to respiratory system. Extreme overexposure to vapors could result in central nervous system, liver and kidney damage. Ingestion-may cause gastrointestinal irritation.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None (No)	N/A	N/A	N/A

Signs and Symptoms of Exposure Eyes-Redness, tearing and swelling. Skin-Dryness of skin including cracking. Breathing-Overexposure includes dizziness, headache, nausea and light headedness.

Swallowing-Nausea, vomiting and diarrhea.

Medical Conditions Skin-Prolonged contact will defat skin and cause dermatitis. Breathing-Generally Aggravated by Exposure-Extreme overexposure of Toluene vapor may cause nervous system damage. Swallowing-may cause nausea, vomiting and diarrhea. Aspiration into the lungs as a result of vomiting may cause lung damage.

Emergency and First Aid Procedures Eye contact-Flush immediately with water. Call a physician. Skin contact-wash area with soap and water. Breathing-move affected person to fresh air at once. Restore breathing. Call a physician if difficulties persist. If swallowed-DO NOT INDUCE VOMITING.

Section VII -- Precautions for Safe Handling and Use Call a physician. Give water to victim. If vomiting occurs, prevent aspiration into lungs!

Steps to Be Taken in Case Material is Released or Spilled Extinguish all sources of ignition in area. Collect spilled material and place in a closed container for disposal or salvage.

Waste Disposal Method Dispose in accordance with local and current U.S. E.P.A. regulations.

U.S. E.P.A. Hazardous Waste Number: D035 (Ignitable) (KEK- 1/91)

Precautions to Be Taken in Handling and Storing Keep away from heat, open flames and sparks. Use and store with adequate ventilation to prevent vapor buildup. Vapors released by product can easily ignite.

Other Precautions Avoid contact with skin and eyes. Avoid prolonged breathing of vapors. Keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN.

**Section VIII -- Control Measures**

Respiratory Protection (Specify Type) If exposure exceeds occupational exposure limits, use a NIOSH approved respirator to prevent overexposure. Per 29 CFR 1910.154 CGREV or SA types recommended.

Ventilation	Local Exhaust exposure below 100 fpm/ft <sup>3</sup> Should be used to maintain	Special Explosion proof ventilation may be required to control vapor concentrations.
	Mechanical (General) Should be used to maintain exposure below TLV(s)	Other N/D

Protective Gloves Impervious gloves; (for Solvent) Eye Protection Chemical goggles or safety glasses

Other Protective Clothing or Equipment Work apron to avoid contact with personal clothing and skin.

Work/Hygiene Practices Keep area clean. Wash hand thoroughly after working with product.