**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
OMB No. 1218-0072

IDENTITY *(as Used on Label and List)*

# HH-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.**

Address *(Number, Street, City, State and ZIP Code)*
308 Old High St.
P.O. Box 2301
Acton, MA USA 01720

Emergency Telephone Number
1-800-535-5053

Telephone Number for Information
1-978-897-8000

Date Prepared January 3, 2006

Signature of Preparer *(optional)* Scott Dailey

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

| Hazardous Components (Specific Chemical Identity, Common Name(s)) | | OSHA PEL | ACGIH TLV | Other Limits Recommended | By 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 | 50 ppm Skin | 19% |

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

OSHA Hazard – Flammable, Irritant

DOT Information: ADHESIVES, 3, UN1133, PGII or Consumer Commodity, ORM-D ERG #128

HMIS Ratings: Health-1; Flammability-3; Reactivity-0 Key: 4 – Extreme 3 – High

NFPA Rating: Health-2; Flammability-3; Reactivity-0 2 – Moderate 1 – Slight

Abbreviations used in MSDS: N/D – not determined

N/A – not applicable

Regulated V.O.C.'s 4.7 lbs/Gal (4.62 average) – 554 g/l

**Section III—Physical/Chemical Characteristics**

| | | | |
|---|---|---|---|
| Boiling Point Acetone | 132° F | Specific Gravity ($H_20$ = 1) | .87 - .88 |
| Vapor Pressure (mm Hg) at 68° F | 180 mm | Melting Point | N/D |
| Vapor Density (AIR = 1) | Heavier | Evaporation Rate (Butyl Acetate = 1) | Slower |

Solubility in Water Insoluble in water

Appearance and Odor Clear liquid ; Strong aromatic odor with sharp mint like fragrance

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

| | | | | |
|---|---|---|---|---|
| Flash Point (Method Used) | -14° C (6° F) ASTM D-56 | Flammable Limits | LEL 1% | UEL 12% |

Extinguishing Media FOAM, DRY CHEMICAL, $CO_2$

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 a fire could explode due to pressure buildup.

Reproduce locally)

OSHA 174 Sept. 1985

**Section V—Reactivity Data**

| | | | |
|---|---|---|---|
| Stability | Unstable | | Conditions to Avoid |
| | Stable | X | N/A |

Incompatibility *(Materials to Avoid)*: Strong Oxidizing Agents

Hazardous Decomposition or Byproducts: $CO_2$ 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

Health Hazards *(Acute and Chronic)*: Eyes – Liquid mildly irritating. Overexposure may also cause irritation. Skin – Prolonged contact can cause irritation 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: None (No) — NTP? N/A — IARC Monographs? N/A — OSHA Regulated? 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 Generally Aggravated by Exposure: Skin – Prolonged contact will irritate skin and may cause dermatitis. Breathing – Extreme overexposure of Toluene vapors 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. Calla physician if difficulties persist. If swallowed – DO NOT INDUCE VOMITING. Call a physician. Give water to victim. If vomiting occurs, prevent aspiration into lungs by lowering head between knees.

**Section VII—Precautions for Safe Handling and Use**

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.A.P. Hazardous Waste Number: D035 (Ignitable) (MEK – 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 VII—Control Measures**

Respiratory Protection *(Specify Type)*: If exposure exceeds occupational exposure limits use a NIOSH approved respirator to prevent overexposure. Per 29 CFR 1910.134 CCROV or SA types recommended.

| | | | | |
|---|---|---|---|---|
| Ventilation | Local Exhaust | Should be used to maintain exposure below TLV(s) | Special | Explosion proof ventilation maybe 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/Hygienic Practices: Keep area clean. Wash hands thoroughly after working with product.