

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Product Name: HH-66 Vinyl Cement

Chemical Name: Thermoplastic Polyurethane Adhesive Blend/Compound

Manufacturer: R-H Products Co. Inc. 308 Old High Street Acton, MA USA 01720

Information Telephone Number: 1-978-897-8000

Emergency Telephone Number: 1-800-535-5053 INFOTRAC

Foreign Emergency Telephone Number: 1-352-323-3500 INFOTRAC

Hazardous Components (Specific Chemical Identity, Common Name(s))

OSHA PEL

ACGIH TLVOther Limits
RecommendedBy Weight
% (optional)

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 may 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 to 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.

4. First Aid Measures

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. Call a physician. Give water to victim. If vomiting occurs, prevent aspiration into lungs by lowering head between knees.

5. Fire Fighting Measures

| | | | | |
|------------------------------------|---|------------------|--------|---------|
| Flash Point (Method Used) | -5.5C (22F) ASTM D-56 9/21/2008 | 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. | | | |

6. Accidental Release Measures

| | |
|---|---|
| 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. |
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7. Handling and Storage

| | |
|---|--|
| 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 |

8. Exposure Control/Personal Protection

| | | | |
|--|-------------------------------|--|---|
| Respiratory Protection (<i>Specify Type</i>) | | 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 (<i>General</i>) | 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. | |

9. Physical and Chemical Properties

| | | | | |
|-------------------------|---|--------------------|---|-------------|
| Boiling Point | Acetone (Component) | 132 ^o F | Specific Gravity (H ₂ O = 1) | Approx. .88 |
| Vapor Pressure (mm Hg) | at 68 ^o F | Not established | Melting Point | N/D |
| Vapor Density (AIR = 1) | | Heavier | Evaporation Rate (Butyl Acetate = 1) | Slower |
| Solubility in Water | Insoluble in water | | | |
| Appearance and Odor | Normal Physical State: Clear Liquid with Strong Aromatic Odor/sharp mint like fragrance | | | |

10. Stability and Reactivity

| | | | |
|---|---|---|---------------------|
| Stability | Unstable | | Conditions to Avoid |
| | Stable | X | N/A |
| Incompatibility (<i>Materials to Avoid</i>) | 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 |

11. Toxicological Information

Route(s) of Entry: Skin contact, inhalation, eye contact and ingestion. Irritant. No other data.

12. Ecological Information

No data available

13. Disposal Considerations

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

U.S. E.P.A. Hazardous Waste Number: D001 (Ignitable) (MEK -1/91 D:035)

14. Transport Information

DOT Info: UN1133 ADHESIVES 3 PGII

UN1133 ADHESIVES 3 PGII LTD.QTY. (1.3gal)

(HH-66 Vinyl Cement/Adhesive NOI Ltd.Qty.) description used when shipped by ground freight on bill of lading

Optional information: Consumer Commodity ORM-D until 1-1-2014

IMO Information: see US DOT above.

ERG #128

No Hazardous Material bill of lading with Proper Shipping Name or ID Number marking is required when packaging is marked with a surface LQ label and is transported by ground mode.

Limited Quantity packaging –per section 172.102 sub 149, inner packaging 5 liter / 1.3 gal ; under 66 lbs gross.

Limited Quantity frees shippers from 24 hr. emergency contact regulations.

15. Regulatory Information

Federal and State and Other regulations:

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

California Prop. 65: WARNING! This product contains Toluene, a chemical known to the state of California to cause birth defects or other reproductive harm.

TASCA 8(b) inventory: all components are listed.
Components only are listed under various state RTK and reporting lists.
OSHA: Hazardous by definition in Hazard Communication Standard (29 CFR 1910.1200)
EINECS: Components are on the European Inventory of Existing Commercial Chemical Substances
WHMIS (Canada) Class B-2(flash point) and Class D-2B (toxic)
DSCG (EEC) Components listed as R11 Highly flammable, R36/37 Irritating to eyes and respiratory system, S2 Keep out of reach of children, S16 Keep away from sources of ignition-No smoking, S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other Information

Regulated VOC's by weight 64.9% - 4.55 lbs/gal - 544 g/l

HMIS Ratings: Health-1; Flammability-3; Reactivity-0 Key- 4 Extreme, 3 High, 2 Moderate, 1 Slight

NFPA Ratings: Health-2; Flammability-3; Reactivity-0

Dated January 9, 2013

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