

# MATERIAL SAFETY DATA SHEET

NSN: 8040013401575

Manufacturer's CAGE: 25592

Part No. Indicator: C

Part Number/Trade Name: HH-66 VINYL CEMENT

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General Information  
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Company's Name: R-H PRODUCTS CO INC

Company's Street: 308 OLD HIGH ST

Company's P. O. Box: 2301

Company's City: ACTON

Company's State: MA

Company's Country: US

Company's Zip Code: 01720

Company's Emerg Ph #: 800-535-5053

Company's Info Ph #: 508-897-8000

Record No. For Safety Entry: 002

Tot Safety Entries This Stk#: 002

Status: SMJ

Date MSDS Prepared: 03OCT94

Safety Data Review Date: 18OCT96

MSDS Serial Number: CCQVK  
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Ingredients/Identity Information  
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Proprietary: NO

Ingredient: 2-BUTANONE; (METHYL ETHYL KETONE) (SARA 313) (CERCLA)

Ingredient Sequence Number: 01

Percent: 52

NIOSH (RTECS) Number: EL6475000

CAS Number: 78-93-3

OSHA PEL: 200 PPM

ACGIH TLV: 200 PPM; 300 STEL  
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Proprietary: NO

Ingredient: ACETONE (SARA 313) (CERCLA) BP: 132F,56C

Ingredient Sequence Number: 02

Percent: 18

NIOSH (RTECS) Number: AL3150000

CAS Number: 67-64-1

OSHA PEL: 1000 PPM

ACGIH TLV: 750 PPM; 1000 STEL  
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Proprietary: NO

Ingredient: TOLUENE (SARA 313) (CERCLA)

Ingredient Sequence Number: 03  
Percent: 15  
NIOSH (RTECS) Number: XS5250000  
CAS Number: 108-88-3  
OSHA PEL: 200 PPM  
ACGIH TLV: 50 PPM, S

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR; FRAGRANT MINT-LIKE ODOR, SHARP.  
Boiling Point: 132F,56C  
Vapor Pressure (MM Hg/70 F): 180 @ 68F  
Vapor Density (Air=1): HVR/AIR  
Specific Gravity: SUPDAT  
Evaporation Rate And Ref: SLOWER (BUTYL ACETATE=1)  
Solubility In Water: INSOLUBLE

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Fire and Explosion Hazard Data

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Flash Point: 6F,-14C  
Flash Point Method: TCC  
Lower Explosive Limit: 1%  
Upper Explosive Limit: 12%  
Extinguishing Media: FOAM, DRY CHEMICAL, CARBON DIOXIDE.  
Special Fire Fighting Proc: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).  
Unusual Fire And Expl Hazrds: EXTREMELY FLAMMABLE. OVERHEATED, CLOSED CONTAINER NEAR TO FIRE COULD EXPLODE DUE TO PRESSURE BUILDUP.

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Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): NOT APPLICABLE.  
Materials To Avoid: STRONG OXIDIZING AGENTS.  
Hazardous Decomp Products: CARBON DIOXIDE AND CARBON MONOXIDE WHEN SUBJECTED TO FLAMES OR EXCESSIVE HEAT.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: TOLUENE APPEARS ON THE NAVY LIST OF OCCUP

CHEM REPRO HAZS. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS INFO (FP N). EYES: LIQ MILDLY IRRIT. OVEREXP MAY ALSO CAUSE IRRIT. REDNESS, TEARING & SWELLING. SKIN: DRYNESS OF SKIN INCLUDING CRACKING. (EFTS OF OVEREXP)

Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ: PRLNGD CNTCT CAN CAUSE DEFATTING & POSS DERMATITIS. INHAL: OVEREXP MAY CAUSE IRRIT TO RESP SYS INCLUDING DIZZINESS, HEADACHE, NAUSEA & LT HEAD. EXTREME OVEREXP TO VAPS COULD RESULT

IN CNS, LIVER & KIDNEY DAMAGE. INGEST: MAY CAUSE GI IRRIT. ASPIRATION INTO LUNGS AS RESULT OF VOMITING MAY CAUSE LUNG DAMAGE.

Med Cond Aggravated By Exp: SKIN:PRLNGD CNTCT WILL DEFAT SKIN & CAUSE DERM. INHAL:EXTREME OVEREXP OF TOLUENE VAPS MAY CAUSE NERVS SYS DMG. INGEST: NAUS, VOMIT & DIARR. ASPIR INTO LUNGS AS RSLT OF VOMIT MAY CAUSE LUNG DMG.

Emergency/First Aid Proc: EYES: FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CALL MD. SKIN: WASH AREA WITH SOAP AND WATER. INHAL: MOVE AFFECTED PERSON TO FRESH AIR AT ONCE. RESTORE BREATHING. CALL MD IF DIFFICULTIES PERSIST. INGEST: DO NOT INDUCE VOMITING. CALL MD. GIVE WATER TO VICTIM. IF VOMITING OCCURS, PREVENT ASPIRATION INTO LUNGS.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: EXTINGUISH ALL SOURCES OF IGNITION IN AREA. COLLECT SPILLED MATERIAL AND PLACE IN A CLOSED CONTAINER FOR DISPOSAL OR SALVAGE.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER: D035 (IGNITABLE).

Precautions-Handling/Storing: KEEP AWAY FROM HEAT, OPEN FLAMES & SPARKS. USE & STORE WITH ADEQUATE VENTILATION TO PREVENT VAPOR BUILDUP. VAPORS RELEASED BY PROD 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.

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Control Measures  
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Respiratory Protection: IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. PER 29 CFR 1910.134. NIOSH APPROVED CCROV OR SA TYPES RECOMMENDED.

Ventilation: LOC EXHST & MECH (GEN) SHOULD BE USED TO MAINTAIN EXPOS BELOW TLV(S). EXPLO PROOF VENT MAY BE REQD TO CTL VAP CONCS.

Protective Gloves: IMPERVIOUS GLOVES (FP N).  
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).  
Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER (FP N).  
WORK APRON TO AVOID CONTACT WITH PERSONAL CLOTHING AND SKIN.  
Work Hygienic Practices: KEEP AREA CLEAN. WASH HANDS THOROUGHLY AFTER  
WORKING WITH PRODUCT.  
Suppl. Safety & Health Data: SPEC GRAV: 0.78-0.88 (H\*20=1).

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Transportation Data  
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Trans Data Review Date: 97090  
DOT PSN Code: AFR  
DOT Proper Shipping Name: ADHESIVES,  
DOT Class: 3  
DOT ID Number: UN1133  
DOT Pack Group: II  
DOT Label: FLAMMABLE LIQUID  
IMO PSN Code: AIH  
IMO Proper Shipping Name: ADHESIVES,  
IMO Regulations Page Number: 3174  
IMO UN Number: 1133  
IMO UN Class: 3.2  
IMO Subsidiary Risk Label: -  
IATA PSN Code: AKY  
IATA UN ID Number: 1133  
IATA Proper Shipping Name: ADHESIVES  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
AFI PSN Code: AKY  
AFI Prop. Shipping Name: ADHESIVES  
AFI Class: 3  
AFI ID Number: UN1133  
AFI Pack Group: II  
AFI Basic Pac Ref: A7.3

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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 18OCT96  
Label Date: 17OCT96  
Label Status: G  
Common Name: HH-66 VINYL CEMENT  
Chronic Hazard: YES

Signal Word: DANGER!

Acute Health Hazard-Moderate: X

Contact Hazard-Slight: X

Fire Hazard-Severe: X

Reactivity Hazard-None: X

Special Hazard Precautions: EXTREMELY FLAMMABLE. ACUTE: EYES: IRRITATION, REDNESS, TEARING AND SWELLING. SKIN: DRYNESS AND CRACKING, DEFATTING AND POSSIBLE DERMATITIS. INHALATION: IRRITATION TO RESPIRATORY SYSTEM, DIZZINESS, HEADACHE, NAUSEA AND LIGHT HEADEDNESS. EXTREME OVEREXPOSURE NAUSEA, VOMITING AND DIARRHEA. ASPIRATION INTO LUNGS MAY CAUSE LUNG DAMAGE.

CHRONIC: TOLUENE APPEARS ON THE NAVY OCCUPATIONAL CHEMICAL REPRODUCTIVE HAZARDS LIST (FP N).

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: R-H PRODUCTS CO INC

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Label P.O. Box: 2301

Label City: ACTON

Label State: MA

Label Zip Code: 01720

Label Country: US

Label Emergency Number: 800-535-5053