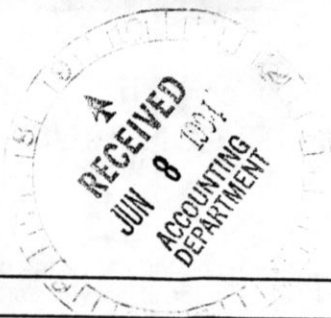


MATERIAL SAFETY DATA SHEET

PHYSICAL PLANT CHEM-
WAREHOUSE
ITEM

No. 117
6/1/88

The W.W. Henry Company
5608 Soto Street
Huntington Park, CA 90255
Emergency Telephone (213) 583-4961



HEALTH: 2
FLAMMABILITY: 4
REACTIVITY: 0
PERS. PROT. EQUIP: B

I — PRODUCT IDENTIFICATION

NUMBER: 117 NAME: Henry Multi-Purpose Construction Adhesive. CLASS: Solvent Borne Mastic Adhesive.

II — HAZARDOUS INGREDIENTS

INGREDIENT:	PERCENT:	OCCUP. EXPOS. LMT.	VAP. PRESS.
Petroleum Distillate CAS #110-54-3	28-33%	TLV: 500 ppm PEL: 500 ppm	100 mm @ 60°F

III — PHYSICAL DATA

BOILING RANGE: 140-160°F. VAPOR DENSITY: Heavier than air.
EVAPORATION RATE: Slower than ether. % VOLATILE VOLUME: 45-55%.
% WATER VOLUME: 1%. WT/GAL: 9.5 lbs. VOC: 382 g/l-386 g/l. Non-Photochemically Reactive.

IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: — OSHA: 1 B. DOT: 0. FLASH POINT: Below 10°F. LEL: 1%. EXTINGUISHING MEDIA: FOAM: X. CO₂: X. DRY CHEMICAL: X. WATER FOG: X. UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may ignite explosively if allowed to collect and concentrate. Closed containers may develop excessive pressure and erupt when exposed to extreme heat. SPECIAL FIREFIGHTING PROCEDURES: None.

V — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Headaches, dizziness, eye, nose, throat and lung distress from vapors. Inhalation of high concentrations may asphyxiate. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No long term laboratory tests to determine chronic effects. Skin irritation and dermatitis may develop from prolonged contact with skin. PRIMARY ROUTES OF ENTRY: Inhalation, ingestion and direct dermal exposure. MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Current anemia, respiratory tract or liver ailments, and skin conditions. EMERGENCY FIRST AID PROCEDURES: Move person to fresh air and apply artificial respiration if needed. Call physician immediately. In case of eye contact, flush eyes with plenty of water for fifteen (15) minutes. Wash skin thoroughly with soap and water or hand cleaner.

VI — REACTIVITY DATA

STABILITY: Stable. HAZARDOUS POLYMERIZATION: Will not occur. HAZARDOUS DECOMPOSITION PRODUCTS: None known. CONDITIONS TO AVOID: Heat, sparks, open flame, and all other sources of ignition. INCOMPATIBILITY (MATERIALS TO AVOID): None known.

VII — SPILL OR LEAK PROCEDURES

SPILLS: Remove or extinguish all sources of ignition in the area, including equipment which may spark. Scoop material into approved DOT container. Remove to safe place where material can dry. WASTE DISPOSAL METHOD: Dispose of in accordance with local disposal regulations. Do not flush adhesive down drains.

VIII — SAFE HANDLING AND USE INFORMATION

VENTILATION: Extremely flammable vapors may ignite explosively or cause flash fire. Adequate ventilation is essential to prevent buildup of vapors to LEL, or an explosive concentration. Open all windows and doors and utilize other fire-safe means to assure fresh air entry and exhaust during use and until all vapors are gone. A solvent odor may be noted until adhesive dries. FIRE PREVENTION: Vapors are heavy and will flow to any source of ignition. Keep away from flame, heat, and sparks during use and until vapors are gone. Extinguish all flames, including pilot lights. (The surest way to put out gas pilot lights is to turn off the main gas valve.) Turn off all electrical appliances. Disconnect electricity from gas appliances and water heaters — many are fitted with electric pilot lights or "spark ignition systems." Do not use electrical switches, fans, or tools, such as electric drills. Do not smoke. RESPIRATORY PROTECTION: Proper ventilation normally sufficient. If eye watering, headaches or dizziness are experienced, increase fresh air supply, wear NIOSH approved respiratory equipment, or leave the area. PROTECTIVE GLOVES: To prevent skin contact. EYE PROTECTION: Glasses to avoid splashes. OTHER PROTECTIVE EQUIPMENT: None required. HYGIENIC PRACTICES: Wash skin thoroughly with soap and water or hand cleaner.

IX — SPECIAL PRECAUTIONS

HANDLING AND STORING: Keep away from heat, sparks, flames, and all sources of ignition. OTHER PRECAUTIONS: Keep out of reach of children. Use only as directed on label. Close container after each use. Do not re-use container. Avoid skin and eye contact.

X — TRANSPORTATION DATA

D.O.T.: Unregulated. Not a liquid. Not considered a flammable solid under DOT regulations. SHIPPING NAME: Adhesive.

117

MULTI-PURPOSE CONSTRUCTION ADHESIVE

1. DESCRIPTION: Henry 117 Multi-Purpose Construction Adhesive is a waterproof, high-strength, solvent-rubber based adhesive, designed for the installation of wood wall paneling, pre-decorated wallboard, plywood and gypsum drywall. Fast-setting and resistant to temperature changes, 117 is non-staining and tan in color. It provides a tough bond to wood or metal studs or furring, and to solid surfaces of wood, plaster, gypsum board, or cured concrete.

Henry 117 is also the ideal general purpose construction adhesive. It is recommended for installing polystyrene or urethane foam insulation, wood or metal mouldings, furring strips, wall decorations, particleboard, and hardboard. Other uses include ceramic tile repairs, and bonding metal objects such as electrical outlet boxes to suitable subsurfaces. Meets or exceeds specifications ASTM C-557-73, BOCA 73-36, and HUD/FHA.

2. SPECIFICATIONS: Henry 117 Multi-Purpose Construction Adhesive is recommended for the following interior installations:

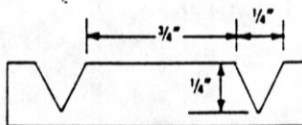
- A. **MATERIALS:** Wood wall paneling • Pre-decorated wallboard • Plywood • Gypsum drywall • Polystyrene or urethane foam insulation • Wood or metal mouldings • Furring strips • Wall decorations • Particleboard • Hardboard • Ceramic tile repairs • Metal fixtures.

Do not use for installing wood flooring; parquet, plank, or stripwood. When bonding polystyrene foam insulation, surface temperature should not exceed 90° F., or etching of the foam may result.

- B. **SURFACES:** Wood or metal framing studs • Furring strips • Cured dry concrete and/or concrete block, where moisture cannot penetrate • Wood • Dry plaster • Gypsum board. **Do not use over wallpaper.**

This adhesive is manufactured for specific installations. For any application not herein recommended, either subsurface or material to be installed, contact The W.W. Henry Co. before using.

3. TECHNICAL DATA: **Base:** Rubber • **Color:** Tan • **Coverage:** Depends on use • **Open Time:** 15 minutes • **EXTREMELY FLAMMABLE VAPORS** • **Not Affected By Freezing** • **Waterproof** • **Clean-up:** Remove adhesive smudges from the front of paneling with a soft cloth dampened with mineral spirits, carefully following warnings on solvent container • **Sizes:** 11 and 30 Ounce cartridges, Quart and Gallon cans, 3½ and 5 Gallon pails • **Weight** per gallon: 11 lbs. • **Recommended Trowel** For Applications On Solid Surfaces:



4. DIRECTIONS FOR USE: Surfaces to be bonded should be clean, dry and structurally sound; free of dust, dirt, oil, grease, soluble or loose paint, or other foreign matter that would interfere with proper adhesion. On below-grade concrete or block walls where moisture can penetrate from the back, attach furring strips with mechanical fasteners and adhesive, then adhere paneling. Store adhesive at approximately 65° F or above for 24 hours prior to use.

- A. **PANELING:** Trowel Method— after cutting panel to fit, spread adhesive on back of panel with recommended notched spreader. Set panel in place within 15 minutes. Secure at top and bottom with 3 or 4 permanent nails. If studs, backing or panels are not straight, temporary nailing or bracing may be required while the adhesive sets.

Bead Method— Apply 1/4" round beads from cartridge along studs or furring strips. Serpentine bead where panels butt. For solid backings use 1/4" vertical beads each 8" on back of panel. Complete installation as described for the trowel method.

- B. **GYPSUM DRYWALL:** Extrude 3/8" continuous beads onto framing to within 6" of perimeter of drywall. Where two pieces of drywall will butt, apply a serpentine bead. On walls, use one nail 3/8" in from longitudinal edges at each framing member. Where panel ends butt, space nails every 16". No nails are required in the field of the drywall panels. Ceilings are nailed same as walls, plus one nail per framing member at panel mid-point when installed perpendicular to framing, and every 24" when installed parallel to framing.

5. SAFETY: DANGER! EXTREMELY FLAMMABLE VAPORS MAY CAUSE FLASH FIRE. Contains Petroleum Distillate. Refer to Material Safety Data Sheet on opposite side of this page. Carefully read and follow all warnings and directions on container label and MSDS.

6. RECOMMENDED ARCHITECTURAL SPECIFICATIONS: "The adhesive as herein specified shall be Henry 117 Multi-Purpose Construction Adhesive as manufactured by The W.W. Henry Company of Huntington Park, California."

THE W.W. HENRY COMPANY:

5608 Soto Street
Huntington Park, CA 90255
(213) 583-4961
FAX (213) 582-8451

PLANT LOCATIONS:

5920 Alamo St., Maywood, CA 90270 (213) 583-4961 • TOLL FREE (800) 231-5592 • FAX (213) 771-6188
210 W. Taft Ave., Orange, CA 92667 (714) 282-1240 • FAX (714) 974-6133
3233 W. 36th St., Chicago, IL 60632 (312) 254-3510 • TOLL FREE (800) 621-8153 • FAX (312) 254-7624
520 W. 3rd St., Dover, OH 44622 (216) 343-4535 • FAX (216) 343-6387
Foot of Whitehead Ave., South River, NJ 08882 (201) 254-2424 • TOLL FREE (800) 637-2900 • FAX (201) 254-8683
1101 Avenue G East, Arlington, TX 76011 (817) 649-8070 • TOLL FREE (800) 637-2649 • FAX (817) 633-4408