



MATERIAL SAFETY DATA SHEET

Consumer Products Division, Division of Borden, Inc.
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GL418

GL419

THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 REQUIRES THAT
THE INFORMATION CONTAINED ON THIS SHEET BE MADE AVAILABLE TO YOUR WORKERS.

INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY

NAME: ELMER'S GLUE-ALL (ALL SIZES)
TYPE: PVAC EMULSION
APPLICATION: ALL PURPOSE GLUE; E-371, E-372, E-375, E-379, E-384, E-395, E-393, E-960

20-Jan-87

SIGNAL WORD

THIS MATERIAL IS NOT A "HEALTH HAZARD" OR A "PHYSICAL HAZARD" AS DETERMINED WHEN REVIEWED ACCORDING TO THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION 29 CFR PART 1910.1200 "HAZARD COMMUNICATION" STANDARD.

CHEMICAL HAZARD RATING

HEALTH=0(LEAST)

FIRE=0(LEAST)

REACTIVITY=0(LEAST)

FIRE AND EXPLOSION HAZARD DATA

WILL NOT BURN UNLESS WATER HAS EVAPORATED.
IN CASE OF FIRE, USE WATER SPRAY, DRY CHEMICAL FOAM OR CO2. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL

29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS

CAS REGISTRY NO.	MATERIAL DESCRIPTION	% RANGE
NONE KNOWN TO BORDEN		

REACTIVITY DATA

NORMALLY STABLE AS DEFINED IN NFPA 704-12(4-3.1).

PHYSICAL DATA

SPECIFIC GRAVITY	1.06
PERCENT VOLATILES	56
APPEARANCE	WHITE MILKY LIQUID
ODOR	MILD ACETIC AROMA
ASTM D-4236-83A LABELING STANDARD	CONFORMS

CONTROL MEASURES

NO SPECIAL CONTROL MEASURES NECESSARY UNDER NORMAL CONDITIONS OF USE.

PERSONAL PROTECTION INFORMATION

NO SPECIAL PROTECTION NECESSARY.

SPILL OR LEAK PROCEDURES

SOAK UP WITH ABSORBENT MATERIAL AND REMOVE TO A CHEMICAL DISPOSAL AREA.
PREVENT ENTRY INTO NATURAL BODIES OF WATER.

ACUTE HEALTH HAZARD DATA

SKIN ABSORPTION: NOT TOXIC DERMALLY WHEN TESTED AS DESCRIBED IN 16 CFR PART 1500.3 (c) (1) AND (2).
INGESTION: NOT TOXIC ORALLY WHEN TESTED AS DESCRIBED IN 16 CFR PART 1500.3 (c) (1) AND (2).
INHALATION: NOT TOXIC BY INHALATION WHEN TESTED AS DESCRIBED IN 16 CFR PART 1500.3 (c) (1) AND (2).
SKIN: NOT AN IRRITANT WHEN TESTED AS DESCRIBED IN 16 CFR PART 1500.41.
EYES: NOT AN IRRITANT WHEN TESTED AS DESCRIBED IN 16 CFR PART 1500.42.

WASTE DISPOSAL METHOD

RECOVER FREE LIQUID. ABSORB RESIDUE AND DISPOSE OF ACCORDING TO LOCAL, STATE, AND FEDERAL REQUIREMENTS.

HANDLING PRECAUTIONS

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

STORAGE PRECAUTIONS

KEEP CONTAINER CLOSED.
STORE IN A COOL, DRY PLACE.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: IF ACCIDENTALLY SWALLOWED, DILUTE BY DRINKING LARGE QUANTITIES OF WATER. IMMEDIATELY CONTACT POISON CONTROL CENTER OR HOSPITAL EMERGENCY ROOM FOR ANY OTHER ADDITIONAL TREATMENT DIRECTIONS.
EYE CONTACT: FLUSH THOROUGHLY WITH WATER. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

DOT CLASSIFICATION

NOT REGULATED.



CONSUMER PRODUCTS DIVISION
Borden Chemical, Division of Borden, Inc.

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ELMER'S® GLUE-ALL

Description Elmer's Glue-All is a specially formulated, high-quality, polyvinyl acetate type adhesive that dries clear and fast to form strong bonds on almost all porous and semi-porous materials (including wood). It is water-based, low in odor and safe to use, being non-flammable* and non-toxic.*

Directions **For Paper—Cloth—Polystyrene Foam and Similar Light Porous Materials** — Spread heavily. Assemble clamp or weight. Let dry for 30 minutes or more.

For Hard Woods

1. Spread heavily on both surfaces.
2. Wait 3 minutes.
3. Assemble parts while glue is still wet.
4. Clamp or weight. Sufficient glue should be used to produce definite "squeeze-out" when joint is under pressure on rough or warped surfaces.
5. Maintain pressure for 45 minutes if wood and air are at 65 to 80°F., 35 minutes if temperature is warmer.
6. Remove clamps or weights. Bond will continue to cure, reaching final strength in 48 to 72 hours.

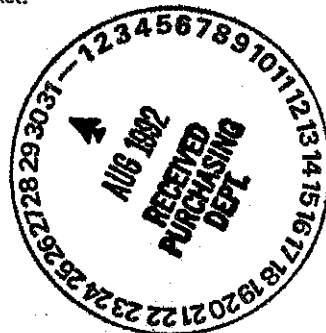
For Soft Woods — Follow above directions for hard woods, but omit step number 2. Clamping time may be reduced by 10 minutes.

CAUTION: Use only on clean, dry surfaces and at temperatures over 60°F. Not for use on photos, bare metal, nor on joints which will be subjected to heating, soaking or continued high stress. Do not store in metal containers nor in places where glue will repeatedly freeze and thaw.

To Clean Brushes and Applicators — Wet brushes with water before use. After using, luke-warm soapy water will remove wet glue.

Other Facts about Elmer's Glue-All

Supplied ready-to-use. If lower viscosity is desired, may be diluted with up to 5% water. Very fast setting speed. A thin application on pad paper will give a fiber-tearing bond in approximately 1½-2 seconds at 75°F. Excellent Storage Stability. Usable at least 1 year when stored at approximately 70°F., resistant to at least 5 freeze-thaw cycles. Gives strong wood bonds. Up to 3200 psi on maple blocks and 600 psi on birch, plywood shear specimens. Affords good filling action on rough surfaces and forms tough bond that does not crystallize or become brittle. Dry film sensitive to certain solvents used in finishing materials. These include alcohols, ketones, esters, chlorinated hydrocarbons and low-boiling coal-tar hydrocarbons. Gumming of sandpaper can be minimized by allowing the "squeeze-out" to dry out completely before sanding.



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