

EVERBUILD MITRE FAST – ADHESIVE AND ACTIVATOR

DESCRIPTION

EVERBUILD MITRE FAST is a two pack system comprising an extremely high viscosity ethyl cyanoacrylate adhesive (50g) a 200ml aerosol activator. Used primarily for instant bonding (10 seconds) of wooden mitre joints, with numerous other uses.

Activator aerosol and adhesive are also sold as separate stock items

BENEFITS

- Flash setting formulation - bonds most surfaces within 10 seconds, cutting down dramatically mitre assembly bonding times when compared to conventional wood adhesives.
- High viscosity adhesive – low soak in to give greater bond strength than conventional cyanoacrylates on porous surfaces (eg wood)
- Gap filling – high viscosity adhesive will fill small gaps in mitres etc (up to 0.2mm)
- Economical in use.

AREAS FOR USE

- Multitude of industrial applications: Bonds MDF, wood, chipboard, rubber, plastics, Perspex, uPVC ceramics, aluminium and metals.
- Ideal for all cornice and profile mitres, trims, picture frames, MDF, skirting and architrave joints, worktop end strips, PVCu trims and much more. It is particularly useful for production lines such as electronics assembly and uPVC window trim bonding.

LIMITATIONS

- Ensure surfaces are degreased prior to bonding.
- Do not use on glass
- Do not use in applications involving constant water immersion.
- Do not use on bitumen or tar leaching products.
- Do not use on load bearing applications – Use EVERBUILD ALL PURPOSE WOOD ADHESIVE.
- On wooden/porous surfaces, do not use any other cyanoacrylate except MITRE FAST ADHESIVE. These products are thinner and the soak in will give poor bond strength.

SURFACE PREPARATION

The surfaces to be glued should be clean, dry and free from dust, grease and other contaminants. Materials should be stored in a warm environment prior to bonding to avoid chilling of the glue line, which leads to extended setting times. Where possible, ensure working environment has a relative humidity of 50% +.

APPLICATION

- Spray one surface with activator.
- Apply adhesive sparingly to other surface
- Bring together, position and hold for about 10 seconds.

SPECIFIC DATA

MITRE FAST ADHESIVE

COLOUR	Clear
BASE	Monomeric Ethyl cyanoacrylate
SOLIDS	100% active
VISCOCITY	1,100mPas @ 20°C.
THERM. COND	0.2w/k.m -
SPECIFIC GRAVITY	1.07
FLASH POINT	> 83°C
SHELF LIFE	12 months below 25°C in original containers
GAP FILLING CAP.	Up to 0.2mm
REFRACTIVE INDEX	1.45 (Cured adhesive)
DIELECTRIC STR	11-13kV/mm
DIELECTRIC CONST.	5.2 @ 1MHZ (cured adhesive)
SOFTENING POINT	165°C
WORKING TEMPS	-20 to +80°c

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CHEMICAL BASE	Hydrocarbon solvent
APPEARANCE;	Colourless
VISCOCITY:	1mps at 20°C
FLASH PNT	0°C
DENSITY:	0.79g/cm ³
PROPELLANT:	CO ₂

STORAGE

Store in original unopened containers between 4 and 25°C. Reseal immediately once used.
Protect activator from sources of ignition.

SHELF LIFE

Six to Twelve months from date of manufacture in original unopened containers, depending on temperature of storage. As low temperature as possible will give maximum shelf life.

HEALTH AND SAFETY

MITRE FAST ADHESIVE

Consult MSDS for this product before use.

When continuously used, local fume extraction is recommended.

Contains cyanoacrylate ester. Use in a well ventilated environment.

In the event of inadvertent skin bonding, separate bonded skin tissue carefully by peeling apart gently with a blunt instrument, preferably after soaking in warm water.

Keep out of reach of children.

MITRE FAST ACTIVATOR

Highly flammable. Keep in a well-ventilated place. Keep away from sources of ignition-no smoking.

Do not breath vapour. Do not empty into drains. Take precautionary measures against static discharges.

SAFETY DATA SHEET

MITRE FAST - ADHESIVE

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: MITRE FAST - ADHESIVE

Product code: MITRE1, 2, ADH1/5

Use / description of product: Irritant. Cyanoacrylate adhesives are instant bonding, almost single component adhesives that bond almost all close fitting smooth surfaces in seconds

Company name: EVERBUILD BUILDING PRODUCTS LTD

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ETHYL-2-CYANOACRYLATE 70-90%

EINECS: 230-391-5 CAS: 7085-85-0

[Xi] R36/37/38

- HYDROQUINONE <1%

EINECS: 204-617-8 CAS: 123-31-9

[Xn] R22; [Xn] R40; [Xi] R41; [Sens.] R43; [N] R50; [Xn] R68

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes, respiratory system and skin.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Wash the spillage site with large amounts of water. Absorb into dry earth or sand.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Store in original containers between +5 and +25°C. Storage outside these parameters will dramatically reduce shelf life and invalidates all product warranties.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ETHYL-2-CYANOACRYLATE
STEL (15 min exposure limit): 1.5 mg/m³ (OES)

- HYDROQUINONE

TWA (8 hr exposure limit): 2 mg/m³ STEL (15 min exposure limit): 4 mg/m³ (OES)

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141). must be worn if vapour concentration is above OES or if ventilation is poor

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Perceptible odour

Evaporation rate: Negligible

Solubility in water: polymerises

Also soluble in: Acetone. Most organic solvents.

Viscosity: Viscous

Viscosity value: 1500

Viscosity test method: Brookfield (cps)

Boiling point/range°C: 55

Flash point°C: 180-200

Vapour pressure: <0.2mm/hg

Relative density: 1.05

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Direct sunlight. Moist air.

Materials to avoid: Water. Bases. Alcohols. Amines.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: ETHYL-2-CYANOACRYLATE

ORL RAT LD50 >5 ml/kg

- HYDROQUINONE

ORL MUS LD50 150 mg/kg

ORL RAT LD50 720 mg/kg

SCU RAT LDLO 300 mg/kg

Chronic toxicity: Vapour is irritating to eyes and mucous membranes above TLV. Prolonged and repeated exposure to vapour above the established limits may cause allergic reactions with asthma-like symptoms

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of according to local or national legislation

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: -

Shipping name: "NOT SUBJECT TO ADR"

IMDG / IMO

UN no: -

IATA / ICAO

UN no: -

15. REGULATORY INFORMATION**Hazard symbols:** Irritant.**Risk phrases:** R36/37/38: Irritating to eyes, respiratory system and skin.**Safety phrases:** S2: Keep out of the reach of children.

S13: Keep away from food, drink and animal feeding stuffs.

S23: Do not breathe vapour.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S46: If swallowed, seek medical advice immediately and show this container or label.

Precautionary phrases: Contains hydroquinone. May produce an allergic reaction.

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**16. OTHER INFORMATION****Risk phrases used in s.2:** R36/37/38: Irritating to eyes, respiratory system and skin.

R22: Harmful if swallowed.

R40: Limited evidence of a carcinogenic effect.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R50: Very toxic to aquatic organisms.

R68: Possible risk of irreversible effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.