

**MATERIAL SAFETY DATA SHEET**  
 (Marble Adhesive)

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MSDS NAME: Marble Adhesive

EFFECTIVE COMPONENT: Unsaturated Polyester Resins

SERIES OF COLORS: transparent, cream-colored, white, black, red, green, etc.

PACKAGING: 0.6 liter, 0.7 liter, 0.8 liter, 1 liter, 4 liters and 20 liters.  
 (Can be reused after cleaning. Dispose of washing solution in the same way as product.)

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Percent
Unsaturated Polyester Resins	70%
CaCO <sub>3</sub>	30%

**SECTION 3 - USING AND REMARKS**

USING: It is applicable for adhesive bonding of all kinds of marble or repair of crack and breaking trace of stone surface and has the feature of high strength and stable storage and possesses the glossiness of natural marble after burnishing.

REMARKS: The product should be laid in a shady, cool and ventilated place to avoid insolation of sunshine. Do not return the unused glue to the tin. To quicken or slower the speed of solidification, put more or less hardener as required.

**SECTION 4 - HAZARDS IDENTIFICATIONS**

Noxious for ingestion. Irritating for skin, eyes and respiratory apparatus.

**SECTION 5 - FIRST AID MEASURES**

EYES: Flush eyes with plenty of water at least 15 minutes. Get medical aid.

SKIN: Remove contaminated clothing and thoroughly flush the skin with soap and water.

## TESTING DATA | Material Safety Data P.2

INGESTION: Drink a lot of water. If affected person is conscious, induce dazed. Get medical aid.

### SECTION 6 - FIRE FIGHTING MEASURES

GENERAL INFORMATION: Non-combustible substance itself does not burn but may create toxic fumes upon burning. Run off from fire control or dilution water may cause pollution.

EXTINGUISHING MEDIA: Water Spray, Sand, Chemical carbon dioxide.

HAZARDOUS PRODUCTS: Carbon Dioxide, other toxic gases and fumes.

ENVIRONMENTS PROTECTIONS: Suction, then cover the desired surface with absorbent material. Clean up and dispose of all materials.

AUTOIGNITION TEMPERATURE: Not applicable.

EXPLOSION LIMITS LOWER: Not applicable.

### SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and skin. Avoid ingestion and inhalation. Assure a good ventilation and air exchange in work places. Do not drink, smoke and eat in work places.

STORAGE: Keep the tin tightly closed & store in dry places at room temperature.

### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep carbon Dioxide, other toxic gases and fumes low.

EYES: Avoid contact with eyes.

SKIN: Wear appropriate protective gloves and clothing to prevent contacting with glue.

BREATHE: Do not inhale vapors. Where ventilation is not enough, use suitable filter mask.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste

ODOR: typical

APPEARANCE: Transparent, cream-colored, white, black, red, green, etc.

VAPOR PRESSURE: Not available

SOLUBILITY IN WATER: partly soluble

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SOLUBILITY IN SOLVENTS: Aliphatic, aromatic, acetate

BOILING POINT: Not available

SPECIFIC GRAVITY/DENSITY: Not available

VISCOSITY: 12~25 Mpa at 25

FLASH POINT: >100

## SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

CONDITIONS TO AVOID: Dust generation, avoid excess heat.

INCOMPATIBILITIES WITH OTHER MATERIALS: Oxidizing agents, epoxy derivates.

HAZARDOUS POLYMERIZATION: Has not been reported.

## SECTION 11 - TOXICOLOGICAL INFORMATION

TERATOGENICITY: No information available.

REPRODUCTIVE EFFECTS: No information available.

NEUROTOXICITY: No information available.

MUTAGENICITY: No information available.

OTHER STUDIES: Slightly irritating for skin and eyes.

## SECTION 12 - ECOLOGICAL INFORMATION

No information available.

## SECTION 13 - ADDITIONAL INFORMATION

MSDS CREATION DATE: 15/09/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty. Users should make their own investigations to determine the suitability of the information for their particular purposes. (The mixing standards should be 100 parts marble adhesive with 2~3 parts hardener, but to quicken or slower the speed of solidification, put more or less hardener as required.) At the same time, those using marble adhesive should pay attention to the question about security and environmental protection.