

MATERIAL SAFETY DATA SHEET

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Division: Consumer

Date: 2/87(Revised 11/90)

SECTION I - IDENTIFICATION

Product Name: Franklin Ceramic Wall Tile Adhesive
Chemical Family Description: Latex and Resin Polymer dispersed in water with inert reinforcing material.

Mfg. Code: 3421

SECTION II - HAZARDOUS INGREDIENTS

| | TOLUENE | VM&P NAPHTHA | NAPHTHOL SPIRITS | ETHYLENE GLYCOL |
|---------------------------------------|----------|-----------------|---------------------|--------------------|
| CAS# | 108-88-3 | 8032-32-4 | 90-15-3 | 107-21-1 |
| % BY WEIGHT | 2.6 | 2.6 | 5.8 | 1.9 |
| OSHA TWA | 100 ppm | 300 ppm | 500 ppm | NE * |
| OSHA CEILING | 300 ppm | NE * | NE * | 50 ppm |
| OSHA STEL ** | 150 ppm | 400 ppm | NE * | NE * |
| ACGIH TLV TWA | 100 ppm | NE * | NE * | ^ 50 ppm |
| ACGIH STEL ** | 150 ppm | 400 ppm | NE * | NE * |
| NIOSH | NE * | 300 ppm | NE * | NE * |
| SARA Sect. 313 | YES | NO | NO | YES |
| Calculated VOC (less water) = 222 g/l | | | | |

^ Ceiling limit ** 15 minute exposure limit * Not established

SECTION III - PHYSICAL DATA

| | | | |
|-------------------------|--|-------------------------------|--------------------|
| Boiling Point (deg.F): | ca 212 | Specific Gravity (HOH = 1): | 1.2 |
| Typical Vis. (cps): | 250,000 | Percent Volatile (Wt. %): | 45.6 |
| Vapor Density(Air = 1): | >1 | Evaporation Rate (Ether = 1): | Slower than 1 9 |
| Solubility in Water: | Miscible | pH: | |
| Appearance and Odor: | Cream, light bodied mastic with mild odor. | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): 86 (deg.F) (Setaflash) >150 (deg.F) (Tag Open Cup)
 Flammable Limits: Lel=Not Established Uel=Not Established
 Extinguishing Media: Dry Chemical, CO2, Water fog
 Special Fire Fighting Procedures: Wear MESA/NIOSH approved self contained breathing apparatus (schedule 13).
 Unusual Fire and Explosion Hazards: None known

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: Not Established

Route(s) of Entry Ingestion: Yes
 Inhalation: Yes
 Skin: No

Health Hazards (Acute & Chronic): INGESTION - Acute: gastrointestinal irritation; chronic: not known. INHALATION - Acute: Anesthetic effects; overexposure could cause unconsciousness and death; chronic: not known. SKIN - will not be absorbed through skin. Acute: irritation.

Carcinogenicity IARC Monographs: No
 NTP: No
 OSHA Regulated: No

Signs & Symptoms of Exposure: INGESTION: gastrointestinal irritation. INHALATION; dizziness, staggering gait, light headedness headache, confusion, nausea, unconsciousness. SKIN: irritation.

Medical Conditions Generally Aggravated by Exposure: Heart, Lungs and Kidney conditions may be aggravated by inhalation.

Emergency and First Aid Procedures: Consult Physician in all cases. INGESTION: Do not induce vomiting. INHALATION: Remove patient from vapor area. Administer oxygen if breathing is labored. Apply artificial respiration if breathing has stopped. EYE CONTACT: Rinse with running water for fifteen minutes. SKIN CONTACT: Wash with soap and water. Apply moisturizing lotion.

SECTION VI - REACTIVITY DATA

Stability - Stable: Yes

Unstable: ---

Conditions to Avoid: Temperatures below 0 (deg.F).

Incompatibility (Materials to Avoid): Strong acids or alkalis will coagulate material.

Hazardous Polymerization - May Occur: ---

Will Not Occur: Will not

Conditions to Avoid: N/A

Hazardous Decomposition Products: Oxides of carbon when burned.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled (Disposal of container or contents should comply with all applicable federal, state and local regulations): If product has dried, scrape up and place in approved container for disposal. Wet product should be scraped up and disposed of in accordance with federal, state and local regulations for hazardous waste.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Wear Suitable NIOSH/MSHA Approved Respirator Where Exposure Limits are Exceeded): Refer to Section II for Limits
Ventilation - Local Exhaust: Standard plant ventilation; especially
at point where product is dried.

Mechanical (General): Yes

Special: No

Other: No

Protective Gloves: Impervious gloves

Eye Protection: Safety glasses with side shields or safety goggles.

Other Protective Equipment: As indicated for specific application from data above for precaution toward fire and vapor inhalation overexposure.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:

Do not store below 0 (deg.F). Store large quantities in buildings designed and protected for storage of NFPA Class 1-B flammable materials.

KEEP OUT OF REACH OF CHILDREN.

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the data hereof, Franklin International makes no warranty express or implied, with respect thereto and disclaims all liability from reliance thereon.