FRANKLIN INTERNATIONAL 2020 BRUCK STREET COLUMBUS, OH 43207

** MATERIAL SAFETY DATA SHEET **

Information Phone #: (800)-347-4583

Latest Revision Date...04/22/93 411 INDOOR-OUTDOOR CARPET ADHESIVE(2409)

Print Date......04/22/93

EMERGENCY PHONE NUMBER: 1-614-445-1411

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME..... 411 INDOOR-OUTDOOR CARPET ADHESIVE

CHEMICAL FAMILY..... Latex and resin polymer dispersed in water

with inert reinforcing material.

DIVISION..... Construction Adhesives & Sealants

SECTION 2 HAZARDOUS INGREDIENTS

CAS NUMBER \$ WT OSHA TWA OSHA Ceiling OSHA STEL ACGIH TLV ACGIH STEL SEC.313 CHENICAL NAME(S) 108-88-3 2.6 100 ppm 300 ppm 500 ppm 100 ppm 150 ppm FOLUENE Yes 8032-32-4 2.6 300 ppm NA 400 ppm 300 ppm 400 ppm VH&P NAPHTHA No NA 7631-86-9 27.0 10 mppcf NA 10 mppcf NA AMORPHOUS SILICA 107-21-1 3.2 50 ppm 50 ppm NA 14808-60-7 26.64 .1 mg/m3 NA NA 50 ppm NA Yes ETHYLENE GLYCOL CRYSTALLINE SILICA .1 mg/m3 NA

SECTION 3 PHYSICAL DATA (TYPICAL)

BOILING POINT..... ca 212°F

SOLUBILITY IN WATER..... Miscible

SPECIFIC GRAVITY (HOH = 1)..... 1.2

PERCENT VOLATILE (Wt.%)..... 40.3

EVAPORATION RATE (WATER = 1).... <1 pH...... 10

APPEARANCE...... White, light bodied mastic

ODOR..... Mild odor

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SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... 127°F (Setaflash)

FLAMMABILITY LIMITS..... NA

EXTINGUISING MEDIA..... Dry chemical, CO2, water fog

SPECIAL FIRE FIGHTING PROCEDURES Wear MSHA/NIOSH approved self contained

breathing appartus (schedule 13)

UNUSUAL FIRE & EXPLOSION HAZARDS None known.

SECTION 5 HEALTH HAZARD DATA

ROUTES OF ENTRY..... INGESTION: Yes

INHALATION: Yes

SKIN: No

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SECTION 5 HEALTH HAZARD DATA CONT'D	
POSSIBLE EFFECTS OF EXPOSURE	Will not be absorbed through skin. In rare cases may cause irritation.
EYE CONTACTINHALATION	Irritation Dizziness, staggering gait, light headed- ness, headache, confusion, nausea; anesthetic effects; overexposure could cause unconsciousness and death.
INGESTION MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	Gastrointestinal irritation Heart, lung and kidney conditions may be
CARCINOGENICITY	aggravated by inhalation. IARC Monographs: No NTP: No OSHA Regulated: No ACGIH: No
NOTE	Not applicable
REPRODUCTIVE TOXICITY	This product contains toluene, which is listed under the California Safe Drinking Water & Toxic Enforcement Act of 1986 (Proposition 65) as "a chemical known to the State of California to cause birth defects or other reproductive harm."
WARNING	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.
SECTION 6 EMERGENCY AND FIRST AID PROCEDURES	
CONSULT PHYSICIAN IN ALL CASES	
SKIN	Wash with soap & water. Apply moisturizing lotion.
EYES	Rinse with running water for fifteen minutes.
INGESTIONINHALATION	Do not induce vomiting.
SECTION 7 REACTIVITY DATA	
PRODUCT STABILITY Conditions to Avoid CHEMICAL INCOMPATIBILITY HAZARDOUS DECOMPOSITION PRODUCTS HAZARDOUS POLYMERIZATION Conditions to Avoid	Stable Temperature below 0°F Strong acids and strong bases Oxides of carbon when burned Will not occur NA

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SECTION 8 SPECIAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION	Wear suitable NIOSH/MSHA approved respirator where exposure limits are exceeded.
VENTILATION - Local Exhaust	At point where product is dried. Standard plant ventilation otherwise.
- Mechanical (Gen)	Yes
- Special - Other	No No
PROTECTIVE GLOVES	Where repeated and prolonged contact can occur, the use of impervious gloves is recommended.
EYE PROTECTIONOTHER PROTECTIVE EQUIPMENT	Splashproof safety eye protection
SECTION 9 SPILL OR LEAK PROCEDURES	
SPILL OR LEAK PROCEDURES	Clean up with suitable absorbent and place in an approved container. If product has dried, scrape up and place in approved container.
WASTE DISPOSAL METHOD	Disposal of product should comply with all applicable federal, state and local regulations.
CONTAINER DISPOSAL	
SECTION 10 SPECIAL PRECAUTIONS	
SPECIAL HANDLING	Do not store below 0°F. Store large quantities in buildings designed and protected for storage of NFPA Class 1-B flammable materials.
KEEP FROM FREEZING	Yes. Product is freeze/thaw stable for five cycles.
KEEP OUT OF REACH OF CHILDREN	_
SECTION 11 REGULATORY INFORMATION	
NEW JERSEY	Amorphous silica 68055-54-9 Water 7732-18-5
CALIFORNIA PROPOSITION 65	Petroleum oil 64742-18-3 Hydrocarbon resin 68132-00-3 C-9 hydrocarbon resin 68240-01-7 The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product may contain the following chemicals, "known to the State to

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SECTION 11

REGULATORY INFORMATION

cause cancer": cadmium (.00001333%), crystalline silica (26.24%); and the following chemical "known to the State to cause reproductive toxicity": toluene (2.6%).

CALIFORNIA RULE 1168..... Calculated VOC (less water) = 106 g/l

HMIS RATING.... Health

Flammability 2 Reactivity

Protective Equipment See Section 8

SECTION 12

SUPPLIER INFORMATION

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.