

MATERIAL SAFETY DATA SHEET

TILE STAR PENETRATING SILICONE SEALER

DATE: 12/31/03
SUPERSEDES: 3/1/02

HAZARD RATINGS (0-4)
FIRE 2 REACTIVITY 0
TOXICITY 1 SPECIAL

SUPPLIER: MIDLAND PRODUCTS
18600 GRAPHICS COURT TINLEY PARK, IL 60477
(708) 444-8200

TRADE NAME: TILE STAR PENETRATING SILICONE SEALER
PRODUCT TYPE: SILICONE WATER REPELLENT
CHEMICAL FORMULA: MIXTURE
CHEMICAL NAME: SILICONE SOLUTION

COMPONENT LIST - SECTION I

<u>COMPONENT</u>	<u>CAS</u>	<u>REG#</u>	<u>%</u>	<u>TLV</u>	<u>OSHA</u>	<u>TLV</u>	<u>ACGIH</u>
PETROLEUM DISTILLATE	64742-47-8		90 - 95	400 ppm		N/A	
POLYMETHYLSILOXANES	N/E		3 - 8	N/E		N/E	

This product contains no ingredients that are listed in the SARA III, Section 313 Inventory.

PHYSICAL PROPERTIES - SECTION II

APPEARANCE: CLEAR, COLORLESS LIQUID WITH MILD SOLVENT ODOR
pH: N/A
VISCOSITY: < 10 CPS
FREEZING POINT: < -10 F
BOILING POINT: < 355 F
VAPOR PRESSURE: <10 mm Hg @ 77 F
VAPOR DENSITY: > 1
SOLUBILITY IN WATER: NONE
VOLATILE (% WT): > 90
SPECIFIC GRAVITY: 0.79
EVAPORATION RATE: < 1

FIRE AND EXPLOSION HAZARD - SECTION III

FLASH POINT: > 140 F
LOWER EXPLOSION LIMIT: 0.8% UPPER EXPLOSION LIMIT: 6.0%
AUTO IGNITION TEMP: 455 F
EXTINGUISHING MEDIUM: FOAM, CO₂, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES:

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.
WATER IS UNSUITABLE AS EXTINGUISHING MEDIUM, BUT USEFUL IN KEEPING ADJACENT CONTAINERS COOL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND. EXTINGUISH ALL PILOT LIGHTS OR OTHER SOURCES OF IGNITION DISTANT FROM POINT OF USE, SINCE VAPORS MAY DECOMPOSE TO HAZARDOUS PRODUCTS AT HIGH TEMPERATURES. NEVER USE WELDING OR CUTTING TORCHES NEAR CONTAINERS EVEN IF EMPTY.

HEALTH HAZARDS - SECTION IV

THRESHOLD LIMIT VALUES: NONE ESTABLISHED, OBSERVE VALUES FOR PETROLEUM DISTILLATE.

PRIMARY ROUTES OF EXPOSURE: INHALATION, SKIN, EYES

CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS: NONE

EFFECTS OF OVEREXPOSURE:

INHALATION IN AREAS OF HIGH VAPOR CONCENTRATIONS CAN CAUSE BREATHING DIFFICULTIES, DIZZINESS OR LIGHTHEADEDNESS. PROLONGED OR REPEATED LIQUID CONTACT WITH SKIN WILL DRY AND DEFAT SKIN, LEADING TO IRRITATION OR DERMATITIS. EYE IRRITANT. EFFECTS OF INGESTION MAY INCLUDE HEADACHE, DROWSINESS, NAUSEA, FATIGUE, PNEUMONITIS, PULMONARY EDEMA.

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EMERGENCY AND FIRST AID PROCEDURES:

IF IN EYES: IMMEDIATELY FLUSH EYES WITH CLEAR WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING LOWER AND UPPER LIDS. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

IF ON SKIN: WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF IRRITATION FROM CONTACT PERSISTS.

IF SWALLOWED: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

IF INHALED: IF OVERCOME BY HIGH CONCENTRATIONS OF VAPOR, REMOVE FROM EXPOSURE TO FRESH AIR. IF BREATHING IS IRREGULAR OR HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. ADMINISTER OXYGEN IF AVAILABLE. GET MEDICAL ATTENTION IMMEDIATELY.

REACTIVITY - SECTION V

STABILITY: STABLE

CONDITIONS TO AVOID: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: FUMES, SMOKE, CARBON MONOXIDE IN CASE OF INCOMPLETE COMBUSTION.

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORITE.

SPILLS OR LEAK PROCEDURE - SECTION VI

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

CLEAR PERSONNEL FROM AREA. VENTILATE AREA. NECESSARY PERSONNEL MUST WEAR APPROPRIATE BREATHING EQUIPMENT TO PREVENT BREATHING VAPORS. CONTAIN LIQUID TO PREVENT CONTAMINATION OF SOIL AND SURFACE OR GROUND WATER. COLLECT SPILLED PRODUCT WITH ABSORBENT AND PLACE IN LABELED, CLOSED METAL CONTAINERS.

WASTE DISPOSAL METHODS:

DISPOSE OF USED ABSORBENT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SPECIAL PROTECTION - SECTION VII

VENTILATION TYPE: GENERAL OR LOCAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS BELOW EXPOSURE GUIDELINES.

RESPIRATORY PROTECTION: USE ORGANIC RESPIRATOR IF VAPOR CONCENTRATION EXCEEDS TLV.

PROTECTIVE GLOVES: PVC OR OTHER IMPERVIOUS.

EYE PROTECTION: USE SPLASH GOGGLES WHEN EYE CONTACT MAY REASONABLY OCCUR.

OTHER PROTECTIVE EQUIPMENT: USE IMPERMEABLE APRON IF NEEDED TO AVOID CONTAMINATING REGULAR CLOTHING WHICH COULD RESULT IN PROLONGED SKIN CONTACT.

STORAGE AND HANDLING - SECTION VIII

KEEP PRODUCT CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. STORE IN A DRY LOCATION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION.

SHIPPING - SECTION IX

PROPER SHIPPING NAME: PAINT RELATED MATERIAL

LABEL REQUIREMENTS: EMPTY DRUM HAZARD

MISCELLANEOUS - SECTION X

ABBREVIATIONS: N/A: NOT APPLICABLE UNK: UNKNOWN

N/D: NOT DETERMINED < : LESS THAN

N/E: NOT ESTABLISHED > : GREATER THAN

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