

RUSSTECH ADMIXTURES, INC.
11208 Decimal Drive
Louisville, KY 40299
502/267-7700 FAX: 502/267-8922

Date: January 1, 2002

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION: CURE & SEAL 150, 250, 300, 300 BROWN,
300 BATTLESHIP GRAY, CRETE SEAL 30,
CRETE SEAL 30 BROWN

COMMON NAME: ACRYLIC POLYMER IN AROMATIC 100

DOT SHIPPING NAME:
IN CONTAINERS LESS THAN 119 GALLONS:
CURING & SEALING COMPOUND FOR CONCRETE (NON-REGULATED)

IN CONTAINERS GREATER THAN 119 GALLONS:
COMBUSTIBLE LIQUID, N.O.S. (AROMATIC SOLVENT), 3, NA 1993, III

HEALTH AND SAFETY: COMBUSTIBLE LIQUID, USE ONLY WITH ADEQUATE VENTILATION. IF SWALLOWED DO NOT INDUCE VOMITING. USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PERSONAL PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT. USE OF RESPIRATORS IS ADVISED WHEN USING THIS PRODUCT IN CONFINED AREAS.

SECTION I

MANUFACTURER: RUSSTECH ADMIXTURES, INC. EMERGENCY NO: 800/424-9300
TELEPHONE NO : 502/267-7700
ADDRESS: 11208 DECIMAL DRIVE
LOUISVILLE, KY 40299

SIGNATURE: -----

SECTION II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS. NO.	%	HAZARDOUS LIMITS	UN#
ACRYLIC POLYMER	25085-34-1	14 - 30	ND	
AROMATIC 100 SOLVENT	64742-95-6	70 - 86	TLV 100 PPM OSHA 1255	

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 313-355 F MELTING POINT: N/A
SPECIFIC GRAVITY: 0.948 (60F) VAPOR PRESSURE: 2.70 mm Hg @ 20C
VAPOR DENSITY: (AIR=1) 4.3 SOLUBILITY IN H2O BY WT: INSOLUBLE
% VOLATILES BY VOLUME: N/A EVAPORATION RATE (BUTYLACETATE = 1): 0.30

APPEARANCE AND ODOR: CLEAR, COLORLESS, VISCOUS LIQUID WITH AROMATIC
ODOR FLASH POINT (TEST METHOD): 111 F TCC AUTOIGNITION TEMP.: 869 F
FLAMMABLE LIMITS IN AIR, % BY VOLUME: LOWER: 1.0 UPPER: 7.0
pH (as is) ND
pH (1% solution) ND

SECTION IV FIRE AND EXPLOSION HAZARD

GENERAL: STATIC DISCHARGE. MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE.

EXTINGUISHING MEDIA: REGULAR FOAM, CARBON DIOXIDE OR DRY CHEMICAL. WATER MAY BE USED TO REDUCE THE RATE OF BURNING AND FOR COOLING CONTAINERS.

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

UNUSUAL FIRE FIGHTING PROCEDURES: VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR THROUGH GROUND VENTILATION SYSTEM A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

SECTION V REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: THIS PRODUCT IS NORMALLY STABLE.

INCOMPATIBILITY: THIS PRODUCT IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS OR BASES, AND SELECTED AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION IN THE PRESENCE OF AIR YIELDS CARBON MONOXIDE AND/OR CARBON DIOXIDE.

CONDITIONS CONTRIBUTING TO HAZARD POLYMERIZATION: WILL NOT OCCUR

SECTION VI HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE ROUTES OF EXPOSURE:

INHALATION: EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHES, POSSIBLE UNCONSCIOUSNESS AND EVEN ASPHYXIATION.

SKIN CONTACT: THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

SKIN ABSORPTION: LD50 > 2.0 ml/kg (AROMATIC 100 INGREDIENT)
PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION DEFATTING DERMATITIS.

EYE CONTACT: CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION.

INGESTION: LD50 > ml/kg (RAT) (AROMATIC 100 INGREDIENT)
CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF MATERIALS INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

EFFECTS OF OVEREXPOSURE: SEE ABOVE
ACUTE OVEREXPOSURE: SEE ABOVE
CHRONIC OVEREXPOSURE: SEE ABOVE

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES LIFTING UPPER AND LOWER LIDS OCCASIONALLY. SEEK MEDICAL ATTENTION.

SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND SEEK MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. KEEP PERSON WARM, QUIET AND SEEK MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO THE LUNGS BY VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

ELECTROSTATIC ACCUMULATION HAZARD: USE PROPER GROUNDING

WASTE DISPOSAL METHOD: IF POSSIBLE, PUMP TO CONTROLLED CONTAINMENT AREA. ABSORB WITH CLAY OR SAND. DISPOSE OF IN COMPLIANCE WITH EPA, STATE AND LOCAL REGULATIONS.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: IF POSSIBLE, PUMP TO CONTROLLED CONTAINMENT AREA. ALTERNATIVELY, ABSORB ON CLAY OR SAND (IF QUANTITY SMALL) AND TRANSFER TO APPROPRIATE CONTAINER FOR DISPOSAL. KEEP SOURCES OF IGNITION AND HOT METAL SURFACES ISOLATED FROM SPILL.

SECTION VIII CONTROL MEASURES

VENTILATION REQUIREMENTS: LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIC TIME WEIGHTED TLV RANGES. IF GENERAL VENTILATION PROVES INADEQUATE TO MAINTAIN SAFE VAPOR CONCENTRATIONS, SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED. OTHER SPECIAL PRECAUTIONS SUCH AS RESPIRATORY MASK OR ENVIRONMENTAL CONTAINMENT DEVICES MAY BE REQUIRED IN EXTREME CASES.

RESPIRATORY: USE HYDROCARBON VAPOR CANISTER OF AIR SUPPLIED RESPIRATORY PROTECTION IN CONFINED OR CLOSED SPACES AS NEEDED.

EYES: USE SPLASH GOGGLES OR FACE SHIELD TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT.

GLOVES: THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS.

OTHER CLOTHING AND EQUIPMENT: IMPERMEABLE APRONS ARE ADVISED WHEN WORKING WITH THIS PRODUCT TO AVOID REPEATED OR PROLONGED SKIN CONTACT. IMPERVIOUS CLOTHING AND BOOTS ARE ALSO ADVISABLE.

 SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLIDS). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET SHOULD BE OBSERVED WHEN HANDLING EMPTIED CONTAINERS. OVEREXPOSURE TO MATERIAL HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE, EYE EFFECTS. IN HUMANS: CARDIAC ABNORMALITY.

FIRE / IGNITION PRECAUTIONS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCHES ON OR NEAR CONTAINERS (EVEN EMPTY) BECAUSE PRODUCT (EVEN RESIDUE) CAN IGNITE EXPLOSIVELY.

OTHER HANDLING AND STORAGE REQUIREMENTS: KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION EQUIVALENT TO FRESH AIR.

HMS HAZARD RATINGS:

HEALTH HAZARD	2	<u>KEY</u> 4 = SEVERE
FLAMMABILITY HAZARD	2	3 = SERIOUS
REACTIVITY HAZARD	0	2 = MODERATE
		1 = SLIGHT
		0 = MINIMAL

ADDITIONAL REGULATORY CONCERNS:

FEDERAL:

FDA:

USDA:

EPA: CLEAN WATER ACT. THESE PRODUCTS ARE DESIGNATED AS HAZARDOUS SUBSTANCES UNDER SECTION 116 OF THE CLEAN WATER ACT. SPILLS ENTERING (a) SURFACE WATERS OR (b) ANY WATER-COURSE OR SEWERS ENTERING OR LEADING TO SURFACE WATERS **MUST** BE REPORTED IMMEDIATELY TO THE NATIONAL RESPONSE CENTER, 1-800-424-8802. THE REPORTABLE QUANTITY FOR AROMATIC 100 IS 1000 POUNDS. EPA UNDER RCRA 40 CFR 261.33 HAS DESIGNATED THESE PRODUCTS AS A HAZARDOUS WASTE IF SPILLED, DISCARDED OR INTENDED TO BE DISCARDED AS IS.

THE REPORTABLE QUANTITY FOR RUSSTECH CURE & SEAL CONCRETE CURING COMPOUNDS IS 160 GALLONS.