

MATERIAL SAFETY DATA SHEET

For Coatings, Resins, and Related Materials.

MANUFACTURED FOR:
Gemstone Systems, Inc.
10640 – 47th Street North
Clearwater, FL 33762

EMERGENCY TELEPHONE
(727) 541-3194

DATE OF PREPARATION: MARCH, 01, 2002

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: G-100 **PRODUCT:** G-100 **PRODUCT CLASS:** acrylic solution, xylene
TRANSPORTATION INFORMATION: Class 55 - solvents, (contains xylene), 5 gal. pails, UN 1263, PG II
HMIS INFORMATION: **HEALTH:** 2 **FLAMMABILITY:** 3 **REACTIVITY:** 0
PERSONAL PROTECTIVE EQUIPMENT: G

SECTION II - HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>OSHA - PEL</u>	<u>ACGIH TLV</u>
XYLENE*	1330-20-7	100 ppm	100 ppm
ETHYL BENZENE	100-41-4	100 ppm	100 ppm
TRIMETHYL BENZENE	25551-13-7	25 ppm	25 ppm
STODDARD SOLVENT	8052-41-3	100 ppm	100 ppm

* NOTE : XYLENE IS REGULATED BY SARA III, 40CFR372, SECTION 313.

** IN CASE OF A CHEMICAL SPILL, FIRE, OR ACCIDENT.**

CALL CHEMTREC - 24 HOUR EMERGENCY TELEPHONE NUMBER.

800-424-9300.

SECTION III - PHYSICAL / CHEMICAL DATA

BOILING POINT: 355°F **SPECIFIC GRAVITY:** >1
VAPOR PRESSURE: 13mm **VAPOR DENSITY (AIR = 1):** >1
% VOLATILES IN WATER: 0% **EVAPORATION RATE(BUTYL ACETATE = 1):** <1
APPEARANCE AND ODOR: CLEAR LIQUID. HYDROCARBON SOLVENT ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA.

FLASH POINT: 78°F

FLAMMABLE LIMITS: **LOWER:** 0.9% **UPPER:** 7.0%

EXTINGUISHING MEDIA: DRY CHEMICALS, CARBON DIOXIDE, FOAM WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS. COOL CONTAINERS WITH WATER SPRAY TO PREVENT PRESSURE BUILD-UP THAT MAY RUPTURE CONTAINERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS MAY FORM EXPLOSIVE MIXTURE AND MAY TRAVEL BACK TO SOURCE OF IGNITION. "EMPTY" CONTAINERS CONTAIN PRODUCT RESIDUE AND CAN BE DANGEROUS.

SECTION V - REACTIVITY DATA

STABILITY: **STABLE (X)** **NOT STABLE ()**

CONDITIONS TO AVOID: AVOID ALL SOURCES OF IGNITION. KEEP FROM FREEZING.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS, BASES, OXIDIZING AGENTS, SELECTED AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS: FROM BURNING: MAY FORM CO2 OR CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: **WILL ()** **WILL NOT (X)**

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY

	HAZARD
EYES: (X)	CONTACT MAY CAUSE EYE IRRITATION.
SKIN: (X)	PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE REDNESS AND BURNING SENSATION.
INHALATION: (X)	BREATHING FUMES MAY CAUSE RESPIRATORY TRACT IRRITATION AND DIZZINESS.
INGESTION: (X)	NOT KNOWN.

PRODUCT NUMBER : G-100

PRODUCT : G-100

PRODUCT CLASS : acrylic solution

SECTION VI – HEALTH HAZARD DATA (CONT.)**EMERGENCY AND FIRST AID PROCEDURES.**

EYE: HOLD EYELIDS APART. FLUSH WITH WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK IMMEDIATE MEDICAL ATTENTION.

SKIN: REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, OR REDNESS AND BURNING SENSATION, SEEK IMMEDIATE MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, START ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY IF SWALLOWED.

CHRONIC EFFECTS OF OVEREXPOSURE: PROLONGED EXPOSURE MAY CAUSE SEVERE SKIN IRRITATION, DERMATITIS, AND SENSITIZATION. SENSITIZED PERSONS MAY EXPERIENCE RAPID IRRITATION OF SKIN UPON EXPOSURE. REPEATED AND PROLONGED OVER EXPOSURE. REPEATED AND PROLONGED OVER EXPOSURE MAY CAUSE BRAIN AND NERVOUS SYSTEM DAMAGE. CONTAINS **XYLENE** – KNOWN TO CAUSE HARM TO FETUS IN ANIMAL LAB STUDIES.

SECTION VII - SPILL OR LEAK PROCEDURES.

SPILLS OR LEAKS: ABSORB SPILL WITH AN INERT ABSORBENT MATERIAL, THEN PLACE IN A CHEMICAL WASTE CONTAINER. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. PRODUCT IS CHEMICAL WASTE.

HANDLING AND STORAGE: STORE IN COOL, DRY, WELL VENTILATED PLACE. AWAY FROM HEAT AND OPEN FLAME. AVOID PROLONGED OR REPEATED INHALATION OF HEATED VAPORS, SPRAY MISTS, OR DUST CLOUDS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS: NONE KNOWN

SECTION VIII - SAFE HANDLING AND USE INFORMATION.

VENTILATION REQUIREMENTS: LOCAL (X) MECHANICAL (X) OTHER ()

RESPIRATORY PROTECTION (Specify Type): USE NIOSH APPROVED RESPIRATOR AS OUTLINED IN 30FCR11 AND 29CFR1919.134 OR AIR SUPPLIED RESPIRATORS WITH FULL FACE PIECE WHEN TLV/PEL ARE EXCEEDED.

PROTECTIVE GLOVES: NEOPRENE RUBBER

EYE PROTECTION: SPLASH GOGGLES OR FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT:

SECTION IX - SPECIAL PRECAUTIONS.

OTHER PRECAUTIONS: KEEP CONTAINERS AND BAGS CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER HANDLING. MAY USE **XYLENE** FOR CLEAN UP.

NOTE: THE ABOVE INFORMATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING, AND USE, OR MISUSE, ARE BEYOND OUR CONTROL. GEMSTONE SYSTEMS, INC., MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS / HER PARTICULAR USE.