

MATERIAL SAFETY DATA SHEET

PRODUCT: G-Primer

July 7th 2006

Section 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTITY (AS USED ON LABEL AND LIST): **G - Primer**
PRODUCT USE: Used on concrete, fiberglass and steel manhole structures and piping
WHMIS STATUS: Controlled
PRODUCT ID NUMBER (PIN): N/A
MANUFACTURER/SUPPLIER: CANUSA-CPS, A Division of ShawCor Ltd.
2408 Timberloch Place, Bldg. C-8
The Woodlands, TX 77380
SUPPLIER PHONE NUMBER: 416-743-7111
INFORMATION NUMBER: 281-367-8866
EMERGENCY NUMBER: 613-966-6666 (CANUTEC)

SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS COMPONENT</u>	<u>CAS#</u>	<u>%</u>	<u>EXPOSURE LIMITS</u>
Xylene	1330-20-7	38%	100 ppm PEL-TWA 100 ppm TLV-TWA 150 ppm TLV-STEL
Acetone	67-64-1	26%	1000 ppm PEL-TWA 500 ppm TLV-TWA 750 ppm TLV-STEL

Non-Hazardous Components >1%: Resins and Polymers 36%

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE	LIQUID
ODOR AND APPEARANCE:	AROMATIC, OPAQUE
ODOR THRESHOLD (ppm):	Xylene – 1 ppm; acetone – 62 ppm
VAPOR PRESSURE (mmHg):	180mm Hg @ 25°C (acetone)
VAPOR DENSITY (AIR = 1.0):	3.6 (xylene)
EVAPORATION RATE:	11.6 (acetone)/(n-butyl acetate = 1)
BOILING POINT:	133°F/ 56.5°C (acetone)
FREEZING POINT:	N/A
MELTING POINT:	N/A
pH:	N/A
SPECIFIC GRAVITY (WATER = 1.0):	0.895
COEFFICIENT OF WATER/OIL DIST.	N/A
BULK DENSITY	7.28 lbs./gal.
SOLUBILITY IN WATER:	PARTIALLY SOLUBLE
VOC CONTENT:	333 g/liter

SECTION 4 – FIRE OR EXPLOSION HAZARD

FLASHPOINT (METHOD USED):	30°F/-2°C (TCC)
AUTOIGNITION TEMPERATURE:	N/A
FLAMMABLE LIMITS:	LEL 1.0% UEL 12.8%
EXTINGUISHING MEDIA:	NFPA CLASS B EXTINGUISHERS (CO2 OR FOAM); CLASS 1 B RESIN FIRES. DO NOT USE WATER STREAM

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EXPLOSION DATA

SENSITIVITY TO STATIC DISCHARGE: VAPORS MAY BE IGNITED BY STATIC SPARK
SENSITIVITY TO MECHANICAL IMPACT: N/A
SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN PROTECT FIRE FIGHTERS AND COOL CLOSED CONTAINERS. USE NIOSH APPROVED SCBA.
UNUSUAL FIRE AND EXPLOSION HAZARDS: FLAMMABLE! KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM OXIDIZERS, HEAT SPARKS, AND ELECTRICAL EQUIPMENT. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED IF EXPOSED TO EXTREME HEAT.

SECTION 5 – REACTIVITY DATA

STABILITY: UNSTABLE _____ STABLE X
CONDITIONS TO AVOID: ISOLATE FROM OXIDIZERS, HEAT SPARKS, AND ELECTRICAL EQUIPMENT
INCOMPATIBILITY (MATERIAL TO AVOID): ISOLATE FROM STRONG ACIDS AND OXIDIZERS, I.E. PERMANGANATES, CHROMATES, PEROXIDES.
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND NITROGEN, ACROLEIN, KETONES
HAZARDOUS POLYMERIZATION: WILL OCCUR: _____ WILL NOT OCCUR: X

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY: EYES, INHALATION, SKIN CONTACT, INGESTION
SKIN CONTACT: YES
SKIN ABSORPTION: YES
EYE CONTACT: YES
INHALATION: YES
INGESTION: YES
EFFECTS OF ACUTE EXPOSURE: PRIMARY IRRITATION TO EYES, REDNESS, BLURRED VISION, TEARING. ABSORPTION THROU SKIN INCREASES EXPOSURE, SWALLOWING HARMFUL OR FATAL.
EFFECTS OF CHRONIC EXPOSURE: WASH AFTER HANDLING; ABSORPTION THROUGOH SKIN MAY BE HARMFUL; DAMAGE TO FETUS.
IRRITANCY OF MATERIAL: PRIMARILY THROUGH SKIN, IRRITATION, DRYING, DEFATTING
SENSITIZING CAPABILITY: THIS PRODUCT IS NOT EXPECTED TO CAUSE SENSITIZATION
CHRONIC/CARCINOGENICITY: PROLONGED OVEREXPOSURE MAY CAUSE CARDIAC SENSITIZATION, EFFECTS ON HEARING AND DAMAGE TO THE NERVOUS SYSTEM, BLOOD SYSTEM, LIVER, AND KIDNEYS. XYLENE HAS BEEN FOUND TO CAUSE ADVERSE REPRODUCTIVE EFFECTS AND/OR BIRTH DEFECTS IN STUDIES WITH LABORATORY ANIMALS. NO INGREDIENT IN THIS PRODUCT PRESENT AT GREATER THAN 0.1% IS LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA.
MUTAGENICITY: XYLENE AND ACETONE HAVE TESTED POSITIVE FOR MUTAGENICITY IN SOME TEST SYSTEMS.
SYNERGISTIC MATERIALS: NONE SPECIFICALLY KNOWN. PRODUCTS CONTAINING CHEMICALS THAT EFFECT THE SAME TARGET ORGAN

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MEDICAL CONDITIONS AGGRAVATED
BY EXPOSURE:
ACUTE TOXICITY VALUES:

SYSTEMS WOULD BE EXPECTED TO HAVE SYNERGISTIC EFFECTS; FOR EXAMPLE OTHER SOLVENT CONTAINING PRODUCTS.
EMPLOYEES WITH PRE-EXISTING SKIN, LIVER AND KIDNEY DISEASE MAY BE AT INCREASED RISK FROM EXPOSURE.
XYLENE: ORAL RAT LD50 – 4300 mg/kg; INHALATION RAT LC50 – 5000 ppm/4hr.
ACETONE: ORAL RAT LD50 – 5800 mg/kg; INHALATION RAT LC50 – 50,100 mg/m3

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES/TYPE:	PROTECTIVE GLOVES
RESPIRATORY/TYPE:	VENTILATE TO KEEP AIR BELOW 50 PPM
EYE/TYPE:	GOGGLES OR FACE SHIELD SHOULD BE WORN
FOOTWEAR:	YES
CLOTHING:	IMPERVIOUS TO THIS MATERIAL. WASH CLOTHES BEFORE REUSE.
ENGINEERING CONTROLS:	N/A
LEAKS/SPILLS:	STOP SPILL AT SOURCE; DIKE AREA AND CONTAIN. PUT SPILLED RESIN / CONTAMINATED SOIL IN DOT CONTAINERS FOR DISPOSALS. LABEL IMMEDIATELY. CLEAN UP REMAINDER WITH ABSORBENT MATERIAL.
WASTE DISPOSAL:	DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. IF QUESTIONS, CONTACT APPROPRIATE AUTHORITIES.
HANDLING PROCEDURES / EQUIPMENT:	AVOID FREE FALL OF RESIN.
VENTILATION TYPE:	LOCAL EXHAUST IS NECESSARY. MECHANICAL EXHAUST IS ACCEPTABLE.
STORAGE NEEDS:	DO NOT STORE ABOVE 120°F / 49°C; STORE IN OSHA CLASS 1 B RESIN STRUCTURES. STORE AWAY FROM ACIDS AND OXIDIZERS.
SPECIAL SHIPPING INSTRUCTIONS:	N/A

SECTION 8 – FIRST AID MEASURES

EYE CONTACT:	FLUSH WITH WATER AND SEEK MEDICAL ATTENTION
SKIN CONTACT:	FLUSH WITH WATER.
INHALATION:	REMOVE TO FRESH AIR/BREATHING DIFFICULTY – GIVE OXYGEN.
INGESTION:	IF SWALLOWED, CALL PHYSICIAN IMMEDIATELY

SECTION 9 – TRANSPORT INFORMATION

DOT HAZARDOUS MATERIALS DESCRIPTION: PROPER SHIPPING NAME: RESIN SOLUTION
UN NUMBER: UN1866
HAZARD CLASS/PACKING GROUP: 3, PG II
LABELS REQUIRED: FLAMABLE LIQUID

NOTE: IF >263lbs OF THIS PRODUCT IN A SINGLE CONTAINER, RQ REQUIREMENTS APPLY.

SECTION 10 – REGULATORY INFORMATION

CERCLA/SUPERFUND:	THIS PRODUCT HAS A REPORTABLE QUANTITY (RQ) OF 263 LBS. BASED ON THE RQ FOR XYLENE OF 100 LBS. RELEASES ABOVE THE RQ MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. MANY STATES HAVE MORE STRINGENT RELEASE REPORTING REQUIREMENTS. REPORT SPILLS REQUIRED UNDER FEDERAL, STATE AND LOCAL REGULATIONS.
SARA HAZARD CATEGORY (311/312): SARA 313 INFORMATION:	ACUTE HEALTH, CHRONIC HEALTH, FIRE HAZARD THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO ANNUAL RELEASE REPORTING REQUIREMENTS UNDER SARA TITLE III, SECTION 313 (40 CFR 372): XYLENE 1330-20-7 38%
EPA TSCA INVENTORY:	ALL OF THE INGREDIENTS IN THIS PRODUCT ARE LISTED ON THE EPA TSCA INVENTORY
CALIFORNIA PROPOSITION 65:	THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: BENZENE <0.1% THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE DEVELOPMENTAL TOXICITY (BIRTH DEFECTS): TOLUENE <0.5%
CANADA:	THIS PRODUCT HAS BEEN CLASSIFIED UNDER THE CPR AND THIS MSDS DISCLOSES INFORMATION ELEMENTS REQUIRED BY THE CPR.
CANADIAN WHMIS CLASSIFICATION:	CLASS B DIVISION 2 (FLAMMABLE LIQUID), CLASS D DIVISION 2 SUBDIVISION A (VERY TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS)
OTHER INFORMATION:	NFPA RATING: HEALTH = 2 FIRE = 3 REACTIVITY = 0 HMIS RATING: HEALTH = 2 FIRE = 3 REACTIVITY = 0

SECTION 11 – PREPARATION INFORMATION

PREPARED BY:	SHAWCOR LTD.
TELEPHONE NUMBER:	(416) 743-7111
DATE PREPARED:	July 7 th 2006

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