SAFETY DATA SHEET
VEXCON NO. CS115
CERTI-VEX AC 1315 HG

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
CERTI-VEX AC 1315 HG

VOC CONTENT: <700 GR/LITER OR <5.83#/GAL

CATEGORY: CONCRETE CURING AND SEALING COMPOUND

COMMON NAME: STYRENE ACRYLATE COPOLYMER IN AROMATIC SOLVENT

MANUFACTURER: VEXCON CHEMICALS, INC

ADDRESS: 7240 STATE RD. PHILADELPHIA, PA 19135

EMERGENCY NO: 800.858.2828 (PolySat Inc)

CHEMTREC NO: 800.424.9300 (CCN# 23822)

PREPARED: MAY 1996

UPDATED: MAY 2017

PREPARED BY: DARRYL F. MANUEL, PRESIDENT

SECTION II - HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE:
FLAMMABLE LIQUID – CATEGORY 3
CARCINOGEN – CATEGORY 2
SPECIFIC TARGET ORGAN TOXICANT (CENTRAL NERVOUS SYSTEM) – CATEGORY 3
SPECIFIC TARGET ORGAN TOXICANT (RESPIRATORY IRRITANT) – CATEGORY 3
ASPIRATION TOXICANT – CATEGORY 1

SINGLE WORD: DANGER

HAZARD STATEMENTS: FLAMMABLE LIQUID AND VAPOR. MAY BE FATAL IF SWALLOWED AND ENTER AIRWAYS. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWNSNNESS OR DIZZINESS. SUSPECTED OF CAUSING CANCER.

ENVIRONMENTAL HAZARDS: EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

PRECAUTIONARY STATEMENT: FLAMMABLE USE ONLY WITH ADEQUATE VENTILATION. IF SWALLOWED, DO NOT INDUCE VOMITING. USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT: ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. USE OF RESPIRATORS IS ADVISED WHEN USING PRODUCT IN CONFINED AREA. KEP AWAY FOR HEAT/SPARKS/OPEN FLAMES/HOT SURFACES – NO SMOKING

SECTION III HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENTS</th>
<th>CAS NO.</th>
<th>%</th>
<th>HAZARD DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>STYRENE ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>20-30%</td>
<td>ND</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC</td>
<td>64742-95-6</td>
<td>60-70%</td>
<td>TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID</td>
</tr>
</tbody>
</table>

SECTION IV FIRST AID MEASURES

HEALTH HAZARD DATA
HAZARD CLASSIFICATION

TABLE OF CONTENTS
RATES OF EXPOSURE:
INHALATION:
SKIN CONTACT:
SKIN ABSORPTION:
EYE CONTACT:
INGESTION:
OVEREXPOSURE:
EMERGENCY AND FIRST AID PROCEDURES:

EYES:
SKIN:
INHALATION:
INGESTION:

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:
FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY. WATER MAY BE USED TO REDUCE THE RATE OF BURNING AND FOR COOLING PURPOSES. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER.
PURPOSES. PERSONNEL SHOULD AVOID INHALATION OF VAPORS.

SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. USE PROPER GROUNDING.

MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE. CUT, WELD, BRAZE, SOLDIER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

GENERAL HAZARD:

COMBUSTIBLE LIQUID - CAN FORM COMBUSTIBLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASH POINT. STATIC DISCHARGE - MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE. CUT, WELD, BRAZE, SOLDIER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

ELECTRO-STATIC ACCUMULATION HAZARD:

USE PROPER GROUNDING.

IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE CONTAINERS CAN RESULT. VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP WORK AREAS FREE OF HOT METAL SURFACES AND OTHER SOURCES OF IGNITION.

THE USE OF SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE SHOULD BE PROVIDED FOR FIRE FIGHTERS IN BUILDINGS OR CONFINED AREAS WHERE THIS PRODUCT IS STORED.

STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD UP. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

UNUSUAL FIRE AND EXPLOSION HAZARD:

AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. USE PROPER GROUNDING.

SLOW 0.27 (AR100)

APPEARANCE AND ODOR:

CLEAN LIQUID WITH PAINT SOLVENT ODOR.

SPECIFIC GRAVITY (H2O=1) 0.90

SOLUBILITY IN H2O % BY WT: 1% VOLATILES BY VOL:

SPECIFIC GRAVITY (H2O=1) 0.90

VAPOR DENSITY (AIR=1):

<42°C / >108°F (TCC) (Aromatic 100)

PH (AS IS): N/A

PH (1% SOLN): N/A

EYES: CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.

GLOVES: THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NITRILE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPERVIOUS APRONS AND HELMETS (HEAD COVER) ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY ShowERS IN WORK AREAS IS RECOMMENDED.

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: (760mmHg) 161-171 °C / 322-340 °F (AR100)

MELTING/FREEZING POINT: −14 °C / 7 °F (AR100)

VAPOR PRESSURE: 1.97 mmHg 88°F / 20°C (AR100)

SOLUBILITY IN H2O % BY WT:

4.2 (AR100)

INSOLUBLE

EVAPORATION RATE (BuAc=1):

SLOW 0.27 (AR100)

SPECIFIC GRAVITY (H2O=1) 0.90

PH (AS IS): N/A

PH (1% SOLN): N/A

APPEARANCE AND ODOR:

CLEAN LIQUID WITH PAINT SOLVENT ODOR.

FLASH POINT (TEST METHOD) <42°C / >108°F (TCC) (Aromatic 100)

AUTOIGNITION TEMP 479°C / 894°F (AR100)

FLAMMABLE LIMITS IN AIR, % BY VOL:

LOWER: 0.9% UPPER: 6.2% (AR100)

SECTION X STABILITY AND REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY: THIS PRODUCT IS 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 MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE, AND UNIDENTIFIED ORGANICS.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: N/A WILL NOT OCCUR

SECTION XI TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: INHALATION

TOXICITY: DATA AVAILABLE

MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. BASED ON TESTS FOR THE MATERIAL

IRRITATION: DATA AVAILABLE

MAY BE IRRITATING TO THE RESPIRATORY TRACT. THE EFFECTS ARE REVERSIBLE BASED ON TEST

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### SECTION XIV TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>Governing Body</th>
<th>Mode</th>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>Quantity Limitation</th>
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</thead>
<tbody>
<tr>
<td>DOT</td>
<td>GROUND/NO N BULK</td>
<td>NON-REGULATED</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>III</td>
<td>Passeng er Aircraft – 60L Cargo Aircraft – 220L</td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>III</td>
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</tbody>
</table>

**MARINE POLLUTANT:** THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B) (AROMATIC 100)

### SECTION XV REGULATORY INFORMATION

**TSCA:** THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UV/C (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6 (AROMATIC 100), 8052-41-3 (STODDARD SOLVENT)

**CERCLA:** IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675.

**MARINE POLLUTANTS:** THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B). SEE SECTION XIV

**SARA TITLE III:** UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: DELAYED HEALTH, FIRE

**ADDITIONAL REGULATORY CONCERNS:** (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)

**FEDERAL / FDA / USDA:** MARINE POLLUTANTS: THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B). SEE SECTION XIV

**CERCLA / RQ:** NONE ESTABLISHED.

**TSCA:** IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

### SECTION XVI OTHER INFORMATION

**PREPARED BY:** DARRYL MANUEL / PRESIDENT
**COMPANY:** VEXCON CHEMICALS, INC.
**ADDRESS:** 7240 STATE RD., PHILA., PA 19135 USA

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE. VEXCON PROVIDES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN.

**HMIS HAZARD RATINGS:**

<table>
<thead>
<tr>
<th>CERTI-VEX AC 1315 HG</th>
<th>NCPA-HMIS</th>
<th>NFPA 704</th>
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</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>REACTIVITY</td>
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<td>0</td>
</tr>
</tbody>
</table>

**KEY**

- 4 = SERIOUS
- 3 = MODERATE
- 2 = SLIGHT
- 1 = MINIMAL

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### SECTION XII ECOLOGICAL INFORMATION

**ECOTOXICITY:** MATERIAL EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**MOBILITY:** MATERIAL HIGHLY VOLATILE, WILL PARTITION RAPIDLY TO AIR, NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.

**PERSISTENCE AND DEGRADABILITY:** MATERIAL EXPECTED TO BE READILY BIODEGRADABLE.

**HYDROLYSIS:** MATERIAL TRANSFORMATION DUE TO HYDROLYSIS NOT EXPECTED TO BE SIGNIFICANT.

**PHOTOLYSIS:** MATERIAL TRANSFORMATION DUE TO PHOTOLYSIS NOT EXPECTED TO BE SIGNIFICANT.

**ATMOSPHERIC OXIDATION:** MATERIAL EXPECTED TO DEGRADE RAPIDLY IN AIR

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### SECTION XIII DISPOSAL CONSIDERATIONS

**AQUATIC TOXICITY (E.G. 96 HR. TLM):** DO NOT DISCHARGE THIS PRODUCT INTO PUBLIC WATERS OR WATERWAYS UNLESS AUTHORIZED BY A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA).

**WASTE DISPOSAL METHOD:** IF POSSIBLE, PUMP TO CONTROLLED CONTAINMENT AREA. ABSORB ON CLAY OR SAND. DISPOSE OF IN COMPLIANCE WITH EPA, FEDERAL, STATE, AND LOCAL REGULATIONS. TREATMENT, TRANSPORTATION AND DISPOSAL MUST BE IN COMPLIANCE WITH EPA FEDERAL, STATE, AND LOCAL REGULATIONS UNDER THE RESOURCES CONSERVATION AND RECOVERY ACT (RCRA, 40 CFR 261). TYPICALLY CONTROLLED BURNING, INCINERATION OR APPROVED LAND FILL SITES ARE AVAILABLE.