

HAZARD RATING

4=EXTREME

3=HIGH
2=MODERATE
1=SLIGHT
0=INSIGNIFICANT

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0

**MATERIAL SAFETY DATA SHEET
VEXCON NO. CS125**
VEXCON
 CHEMICALS, INC.

Protecting and improving concrete since 1974

7240 State Road, Philadelphia, PA 19135
215-332-7709 or 888-839-2661
Fax: 215-332-9997

vexcon.com

7240 STATE RD • PHILADELPHIA, PA 19135

VOICE: 215.332.7709 • FAX: 215.332.9997

TOLL FREE: 888-VEXCON-1

WEBSITE ADDRESS: www.vexcon.com**GENERAL INFORMATION****PRODUCT IDENTIFICATION:** CERTI-VEX AC1315 SUPER GLOSS**VOC CONTENT:** 347 GRAMS/LITER OR 2.88 #/GAL.**CATEGORY:** CURE**COMMON NAME:** STYRENE ACRYLATE COPOLYMER IN AROMATIC/
EXEMPT SOLVENT**DOT SHIPPING NAME:** IN CONTAINERS LESS THAN 119 GALS: RESIN
SOLUTION, FLAMMABLE, 3 UN 1866, II RQ (TERT BUTYL ACETATE). IN
CONTAINERS GREATER THAN 119 GALS: RESIN SOLUTION, FLAMMABLE,
3, UN 1866, II**FOR LIMITED QUANTITY AIR & OCEAN SHIPMENT:** RQ (TERT BUTYL ACETATE)
RESIN SOLUTION, FLAMMABLE, 3, UN1866, III**HEALTH AND SAFETY:** FLAMMABLE LIQUID: 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.**SECTION I**

MANUFACTURER: VEXCON CHEMICALS
EMERGENCY NO: 1-800-858-2828
CHEMTREC NO: 1-800-424-9300
TELEPHONE NO: 1-215-332-7709
ADDRESS: 7240 STATE RD., PHILA., PA 19135
PREPARED: AUGUST 21, 2003
UPDATED: SEPTEMBER 2006
PREPARED BY: DARRYL F. MANUEL

SECTION II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS. NO	%	HAZARD DATA	UN#
STYRENE ACRYLATE POLYMER	25036-16-2		ND	
BASED ON WT % OF HAZARDOUS VOLATILE:				
SOLVENT NAPHTHA(Petroleum), AROMATIC	64742-95-6	38%	TLV 50 PPM OSHA HAZARD: COMBUSTIBLE	1268

WHICH CONTAINS
 HYDROCARBONS
 TRIMETHYLBENZENE
 TERT BUTYL ACETATE

OSHA PEL: ACGIH TLV
 OSHA PEL: ACGIH TLV
 OSHA HAZARD: ACGIH TLV: 200 ppm

**THE SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE
INGREDIENTS:**

COMPONENT	CAS .NO	MAXIMUM %
TRIMETHYLBENZENE	95-63-6	1.5

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**BOILING POINT,** 98° C**MELTING POINT:** N/A**SPECIFIC GRAVITY** .972**VAPOR PRESSURE:** 34mm Hg @ 25° C**VAPOR DENSITY (AIR=1):** 2.0**SOLUBILITY IN H2O % BY WT:** 0.5%**% VOLATILES BY VOL:** 68% H (AS IS): NA PH (1% SOLN): NA**EVAPORATION RATE (BUAC=1):** 2.8**APPEARANCE AND ODOR:** BROWN LIQUID WITH SWEET SOLVENT ODOR.**SECTION IV FIRE AND EXPLOSION DATA****FLASH POINT: (TEST METHOD):** 4.4° C (40° F)**AUTOIGNITION TEMPERATURE:** 518 ° C (964° F)**FLAMMABLE LIMITS IN AIR: % BY VOL:** ND **LOWER:** 1.2 **UPPER:** 6.88%**EXTINGUISHING MEDIA:** FIRES INVOLVING THIS PRODUCT ARE UNLIKELY,
BUT SHOULD ONE OCCUR, IT MAY BE CONTROLLED BY CARBON DIOXIDE,
DRY CHEMICALS OR WATER SPRAY.**GENERAL HAZARD:** FLAMMABLE 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, SOLDER
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.**ELECTROSTATIC ACCUMULATION HAZARD: USE PROPER GROUNDING****SPECIAL FIRE FIGHTING PROCEDURES:** PRESSURE DEMAND, SELF
CONTAINED RESPIRATORY PROTECTION 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 A WATER SPRAY IN ORDER TO PREVENT
PRESSURE BUILD UP.**UNUSUAL FIRE AND EXPLOSION HAZARD:** THIS PRODUCT IS EXTREMELY
FLAMMABLE AND EXPOSIVE UNDER NORMAL CONDITIONS IN THE
PRESENCE OF A FLAME OR SPARK SOURCE. IF STORAGE CONTAINERS
ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE
CONTAINERS CAN RESULT.**SPECIAL FIRE FIGHTING PROCEDURES:** THE USE OF SELF-CONTAINED
BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN
PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE. UNUSUAL
FIRE AND EXPLOSION HAZARD: 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.

SECTION V REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: PRODUCT IS STABLE.
INCOMPATIBILITY: THIS PRODUCT IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS STRONG ACIDS OR BASES AND SELECTED AMINES.
HAZARDOUS DECOMPOSITION PRODUCT: THERMAL DECOMPOSITION IN THE PRESENCE OF AIR YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VI HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE

ROUTES OR EXPOSURE/INHALATION: THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION.
AR 100 COMPONENT AND STODDARD SOLVENT

SKIN CONTACT: THIS PRODUCT MAY RESULT IN SKIN IRRITATION UPON PROLONGED/REPEATED CONTACT.
AR 100 COMPONENT

SKIN ABSORPTION: SEE ABOVE

EYE CONTACT: THIS PRODUCT MAY BE AN EYE IRRITANT.
AR 100 COMPONENT TERT BUTYL ACETATE

INGESTION: SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY EDEMA. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

EFFECTS OF OVEREXPOSURE TLV-50 ppm

ACUTE OVEREXPOSURE: ANESTHESIA HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRITATION BY LIQUID TO SKIN AND EYES.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION.

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

INHALATION: MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE AND SPILL CONTROL

WASTE DISPOSAL METHOD: IF POSSIBLE, PUMP TO CONTROL CONTAINMENT AREA. ABSORB ON CLAY OR SAND. DISPOSE OF PROCEDURES AND, IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. ALSO, IF THIS PRODUCT IS SUBJECT TO CERCLA REPORTS NOTIFY THE NATIONAL RESPONSE CENTER. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. RECOVER BY PUMPING (USE AN EXPLOSION PROOF OR HAND PUMP) OR WITH A SUITABLE ABSORBENT. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

WATER SPILL: REMOVE FROM SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENTS. IF ALLOWED BY LOCAL AUTHORITIES AND ENVIRONMENTAL AGENCIES, SINKING AND/OR SUITABLE DISPERSANTS MAY BE USED IN ON-CONFINED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

SECTION VIII CONTROL MEASURES

VENTILATION REQUIREMENTS: LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED 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 MASKS OR ENVIRONMENTAL CONTAINMENT DEVICES MAY BE REQUIRED IN EXTREME CASES.

RESPIRATORY (SPECIFY IN DETAIL): THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION ABOVE THE TIME WEIGHTED TLV: USE OF AN OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIRPACK.

EYE: CHEMICAL GOGGLES AND/OR FACE SHIELDS 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.

OTHER CLOTHING AND EQUIPMENT: IMPERMEABLE APRONS AND HELMETS (HEAD COVER) ARE ADVISED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYEWASHES AND SAFETY SHOWERS IN WORK AREAS ARE RECOMMENDED.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS:

FIRE FIGHTING: WATER MAY BE UNSUITABLE AS AN KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE REMOVE SATURATED CLOTHING AND FLUSH AFFECTED AREAS WITH WATER.

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.

HMIS HAZARD RATINGS: THIS INFORMATION IS FOR PEOPLE TRAINED IN: NATIONAL PAINT AND COATINGS ASSOCIATIONS (NPCA) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704) IDENTIFICATION OF FIRE HAZARDS OF MATERIALS

	NPCA-HMIS	NFPA 704	KEY
HEALTH	1	1	4=SEVERE
FLAMMABILITY	3	3	3=SERIOUS
REACTIVITY	0		0
2=MODERATE			1=SLIGHT 0=MINIMAL

SECTION X REGULATORY INFORMATION

TSCA: THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6.

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 800-424-8802. THE REPORTABLE SPILL QUANTITY OF THIS PRODUCT IS 5,000 POUNDS.

THIS PRODUCT CONTAINS: XYLENE, ETHYLBENZENE, CUMENE, and TRIMETHYLBENZENE

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,

FEDERAL:

FDA:

USDA:

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

PREPARED BY: DARRYL MANUEL
TITLE: PRESIDENT
COMPANY: VEXCON CHEMICALS
7240 STATE ROAD
PHILA., PA 19135

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