



**HAZARD RATING**

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

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>

**MATERIAL SAFETY DATA SHEET**  
**VEXCON NO. CS109**

**GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:** VEXCON STARSEAL®1315 BEADING FLAT

**VOC CONTENT:** 198 GR/LITER OR 1.65 #/GAL.

**CATEGORY:** CURE

**COMMON NAME:** VINYLTOLUENE ACRYLATE EMULSION

**DOT SHIPPING NAME:**

IN CONTAINER LESS THAN 119 GALS AND GREATER THAN 119 GALS.  
VEXCON STARSEAL 1315 (NON-REGULATED)

**HEALTH AND SAFETY:** THIS PRODUCT IS AN ORGANIC LIQUID AND WATER EMULSION. PER NFPA 30 THIS MIXTURE WITH A FLASH POINT GREATER THAN 200 F IS A CLASS III B COMBUSTIBLE LIQUID. ALL PRECAUTIONS PROVIDED ARE FOR THE ORGANIC LIQUID PORTION OF WHICH THIS PRODUCT MAY CONTAIN AS LITTLE AS 5%. USE WITH ADEQUATE VENTILATION. DO NOT INDUCE VOMITING IF SWALLOWED. USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS PRODUCT. KEEP FROM FREEZING.

**SECTION I**

**MANUFACTURER:** VEXCON CHEMICALS  
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**PREPARED:** NOVEMBER 1996  
**UPDATED:** JULY 2008  
**PREPARED BY:** DARRYL F. MANUEL/PRESIDENT

**SECTION II HAZARDOUS INGREDIENTS**

<b>MATERIAL OR COMPONENTS</b>	<b>CAS. NO.</b>	<b>%</b>	<b>HAZARD DATA</b>	<b>UN#</b>
VINYLTOLUENE ACRYLATE				
POLYMER	25085-34-114	25%	ND	
ODORLESS MINERAL SPIRITS	64741-86-76	8%	TLV 100 PPM	1255
EMULSIFIERS		2%	NA	

**SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 212° F      **MELTING POINT:** N/A  
**SPECIFIC GRAVITY (H2O=1):** 0.993 **VAPOR PRESSURE:** 2.00 mm Hg  
**VAPOR DENSITY (AIR=1):** GREATER THAN AIR  
**SOLUBILITY IN H2O BY WT:** 100%  
**EVAPORATION RATE (ETHER =1):** 9.5 LESS THAN  
PH (1% SOLN): ND PH (AS IS): 7-8  
**APPEARANCE AND ODOR:** MILKY WHITE EMULSION WITH AROMATICODOR (MAYCONTAIN FUGITIVE DYE)

**SECTION IV FIRE AND EXPLOSION HAZARD**

**FLASH POINT:** (TEST METHOD) >200° F TCC

**AUTOIGNITION TEMP:** N.D.

**FLAMMABLE LIMITS IN AIR, % BY VOL:**      **LOWER:** N.D. **UPPER:** N.D.

**EXTINGUISHING MEDIA:** WATER, FOAM

**SPECIAL FIRE FIGHTING PROCEDURES:** NONE

**UNUSUAL FIRE AND EXPLOSION HAZARD:** PRODUCT WILL BURN IF TEMPERATURE EXCEEDS BOILING POINT WATER MIX. NO UNUSUAL HAZARDS.

**SECTION V REACTIVITY DATA**

**CONDITIONS CONTRIBUTING TO INSTABILITY:** THIS PRODUCT IS STABLE

**INCOMPATIBILITY:** THIS PRODUCT IS INCOMPATIBLE WITH STRONG ACIDS.

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

**CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:** N/A

**SECTION VI HEALTH HAZARD INFORMATION**

**HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE**

**ROUTES OF EXPOSURE:**

**INHALATION:** VAPOR INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA OR HEADACHE.

**SKIN CONTACT:** PROLONGED OR REPEATED CONTACT CAN RESULT IN MODERATE IRRITATION

**SKIN ABSORPTION:** PROLONGED OR REPEATED CONTACT CAN RESULT IN MODERATE IRRITATION

**EYE CONTACT:** THIS PRODUCT CAN CAUSE SEVERE IRRITATION.

**INGESTION:** CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING.

**EFFECTS OF OVEREXPOSURE:** ANESTHESIAHEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

**ACUTE OVEREXPOSURE:** PROLONGED CONTACT ON THE SKIN WILL CLAY AND DEFAT THE SKIN POSSIBLY CAUSING DERMATITIS.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT WITH A PHYSICIAN.

**SKIN:** IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

**INHALATION:** REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

**SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE**

**WASTE DISPOSAL METHOD:** TREATMENT TRANSPORTATION AND DISPOSAL MUST BE IN COMPLIANCE WITH EPA OR STATE REGULATIONS UNDER THE RESOURCES CONSERVATION AND RECOVERY ACT. TYPICALLY CONTROLLED BURNING, INCINERATION OR APPROVED LAND FILL SITES ARE AVAILABLE.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES, INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP IS COMPLETE. STOP SPILL AT SOURCE. DIKE SPILL AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID CAN BE TAKEN UP ON SAND, EARTH, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

**SECTION VIII CONTROL MEASURES**

**VENTILATION REQUIREMENTS:** LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-WEIGHTED TLV RANGES. IF LOCAL 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):** CHEMICAL CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE: FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

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

**GLOVES:** IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

**OTHER CLOTHING AND EQUIPMENT:** TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

**SECTION IX SPECIAL PRECAUTIONS**

**PRECAUTIONARY STATEMENTS:** PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE, REMOVE SATURATED APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER, CLOTHING MUST BE WASHED/DRIED BEFORE RE-USE. CONTAINERS OF THIS MATERIAL MAY BEHAZARDOUS WHEN EMPTIED SINCE EMPTIEDCONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA HEET MUST BE OBSERVED.

**OTHER HANDLING AND STORAGE REQUIREMENTS:** STORE IN WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS. STORE IN ACCORDANCE WITH FEDERAL REGULATIONS. DO NOT STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.KEEP AWAY FROM HIGH TEMPERATURES, OPEN FLAMES, SPARKS, ETC. USE WITH EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

**HMIS HAZARD RATINGS:**

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

ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER).  
FEDERAL:  
FDA:  
USDA:  
TSCA: IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

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