### SECTION I - GENERAL INFORMATION

**PRODUCT IDENTIFICATION:**

**CERTI-VEX GUARD CLEAR, MATTE & HG**

**VOC CONTENT:**

<700 GR/LITER OR <5.83#/GAL

**CATEGORY:**

CONCRETE CURING AND SEALING COMPOUND (US EPA)

**COMMON NAME:**

VINYL TOLUENE ACRYLATE COPOLYMER IN AROMATIC/ALIPHATICSOLVENT

**MANUFACTURER:**

VEXCON CHEMICALS, INC

**ADDRESS:**

7240 STATE RD, PHILADELPHIA, PA 19135

**EMERGENCY NO:**

800.858.2828 (PolySat Inc)

**CHEMTREC NO:**

215.332.7709 (Vexcon)

**UPDATED:**

MAY 2017

**PREPARED BY:**

DARRY F. MANUEL, PRESIDENT

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### SECTION II – HAZARD IDENTIFICATION

**CLASSIFICATION OF MIXTURE:**

- FLAMMABLE LIQUID – CATEGORY 3
- ASPIRATION HAZARD – CATEGORY 1
- EYE IRRITATION – CATEGORY 2B
- SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE (NARCOTIC EFFECTS) – CATEGORY 2
- STATIC ACCUMULATING LIQUID

**SINGLE WORD - DANGER**

**HAZARD STATEMENT:** FLAMMABLE LIQUID AND VAPOR MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS.

**PRECAUTIONARY STATEMENT:** 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.

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### SECTION III HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENTS</th>
<th>CAS NO.</th>
<th>% HAZARD DATA</th>
<th>UN#</th>
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</thead>
<tbody>
<tr>
<td>VINYL TOLUENE ACRYLATE SILANE POLYMER</td>
<td>68554-66-5</td>
<td>20-30%</td>
<td>ND</td>
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<tr>
<td>STODDARD SOLVENT</td>
<td>8052-41-3</td>
<td>44-65%</td>
<td>ACGIH TLV: 50 ppm, 525 mg/m3 (TWA)</td>
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<tr>
<td>SOLVENT NAPHTHA (Petroleum) LIGHT AROMATIC</td>
<td>64742-94-6</td>
<td>15-25%</td>
<td>OSHA PEL: 50 ppm</td>
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**THE SOLVENT PORTION CONTAINS THE FOLLOWING§***

**SECTION 313 REPORTABLE INGREDIENTS:**

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<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>% HAZARD DATA</th>
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</thead>
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<tr>
<td>PETROLEUM HYDROCARBONS</td>
<td>8052-41-3</td>
<td>40-66%</td>
</tr>
<tr>
<td>TRIMETHYL BENZENE</td>
<td>95-83-6</td>
<td>2% Max</td>
</tr>
<tr>
<td>CUMENE</td>
<td>98-82-8</td>
<td>5% Max</td>
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<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>5% Max</td>
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### SECTION IV FIRST AID MEASURES

**HEALTH HAZARD DATA HAZARD CLASSIFICATION:**

<table>
<thead>
<tr>
<th>ROUTES OF EXPOSURE</th>
<th>EFFECTS OF EXPOSURE</th>
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<tbody>
<tr>
<td>INHALATION</td>
<td>TLY 50 ppm</td>
</tr>
<tr>
<td>SKIN CONTACT</td>
<td>ANAESTHESIA, HEADACHE, NAUSEA, DIZZINESS</td>
</tr>
<tr>
<td>SKIN ABSORPTION</td>
<td>ANAESTHESIA, HEADACHE, NAUSEA, DIZZINESS</td>
</tr>
<tr>
<td>EYE CONTACT</td>
<td>ANAESTHESIA, HEADACHE, NAUSEA, DIZZINESS</td>
</tr>
</tbody>
</table>

**EMERGENCY AND FIRST AID PROCEDURES:**

- EYES: FLUSH WITH PLENTY 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.
SECTION V FIRING MEASURES

EXTINGUISHING MEDIA:

FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY REGULAR FOAM, CARBON DIOXIDE, OR DRYchemicals. WATER SPRAY WATER MAY BE USED TO REDUCE THE RATE OF BURNING FOR COOLING PURPOSES.

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 RETURNS 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 OR BE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

USE PROPER GROUNDING

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.

SPECIAL FIREFIGHTING PROCEDURES:

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.

SECTION VI ACCIDENTAL RELEASE MEASURES

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).

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: ELIMINATE SOURCES OF IGNITION PREVENT ADDITIONAL DISCHARGE OF MATERIAL IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS, IMPLEMENT CLEANUP PROCEDURES. FOR LARGE SPILL, IMPLEMENT CLEAN UP PROCEDURES AND IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. ALSO, IF THIS PRODUCT IS SUBJECT TO CERCLA REPORTING NOTIFY THE NATIONAL RESPONSE CENTER. PREVENT LIQUID FROM ENTERING SEWERS, WATER COURSES, OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. COVER USING FLUSHING 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 APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE REUSE.

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 NON-CONTAMINATED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.

SECTION VII HANDLING AND STORAGE

PRECAUTIONARY STATEMENTS: WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIUM BUT HELPFUL IN 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 APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE REUSE.

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMMITED SINCE EMMITED CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

OTHER HANDLING AND STORAGE REQUIREMENTS: STORE IN WELL VENTILATED AREA, EQUIVALENT TO FRESH AIR. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS. STORE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN AREAS 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.

SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENTS: LOCAL MECHANICAL VENTILATION MAY BE EFFICIENT FOR VAPORS. AVOID SPREADING 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 PROTECTION DEPEND ON VAPOR CONCENTRATION ABOVE THE TIME WEIGHTED TLV: USE OF OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIR-PACK. CHEMICAL CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE. FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

RESPIRATORY (SPECIFY IN DETAIL): THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION ABOVE THE TIME WEIGHTED TLV: USE OF OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIR-PACK. CHEMICAL CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE. FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

EYES: CHEMICAL GOGGLES AND OR FACE SHEILD 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. IMPERMEABLE GLOVES, CHEMICAL RESISTANT SUCH AS NEOPRENE, LATEX OR PVC.

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

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: (760mmHg)

RANGE 161-171°C / 322-340 F (AR100)

MELTING POINT: ~14 C / 7 F (AR100)

VAPOR PRESSURE: 1.97 mmHg@68°F/20°C (AR100)

VAPOR DENSITY (AIR=1): 4.2 (AR100)

SOLUBILITY IN H2O % BY WT: INSOLUBLE

VAPOR % BY VOL: 65-70%

EVAPORATION RATE (BuAc=1): 0.27 SLOW (AR100)

SPECIFIC GRAVITY (H2O=1): 0.854

PH (AS IS) N/A

PH (1% SOLN) N/A

APPEARANCE AND ODOR: CLEAR LIQUID WITH PAINT SOLVENT ODOR, CRYSTAL CLEAR OR SLIGHTLY CLOUDY. MAY CONTAIN FUGITIVE RED DYE.

FLASH POINT: (TEST METHOD) >42°C / 108°F (TCC) (AR 100)

AUTOIGNITION TEMPERATURE: 479°C / 894°F (AR100)

FLAMMABLE LIMITS IN AIR,% BY VOL:

LOWER: 0.9%  UPPER: 6.2% (AR100)

PAGE 2 OF 4
SECTION XI TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:**
- **INHALATION:**
  - TOXICITY: DATA AVAILABLE
  - MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. BASED ON TEST DATA FOR THE MATERIAL.
  - IRRITATION: DATA AVAILABLE
  - MAY BE IRRITATING TO THE RESPIRATORY TRACT. THE EFFECTS ARE REVERSIBLE.
  - BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.
- **INGESTION:**
  - TOXICITY: 
    - LD50: 3000 mg/kg
  - MINIMALLY TOXIC, BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.
  - IRRITATIONS
    - DATA AVAILABLE
  - MILKY IRRITATION TO SKIN WITH PROLONGED EXPOSURE. BASED ON TEST DATA FOR THE MATERIAL.
- **SKIN:**
  - TOXICITY: LD50 >160 mg/kg
  - MINIMALLY TOXIC, BASED ON TEST DATA FOR THE MATERIAL.
- **EYE:**
  - DATA AVAILABLE
  - MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASED ON TEST DATA FOR THE MATERIAL.

**CHRONIC/OTHER EFFECTS:**
- FOR THE PRODUCT ITSELF: VAPOR AEROSOL CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT. MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS AND OTHER CENTRAL NERVOUS SYSTEMS EFFECTS INCLUDING DEATH. PROLONGED AND/OR REPEATED SKIN CONTACT WITH LOW VISCOSITY MATERIALS MAY DEPLETE THE SKIN RESULTING IN POSSIBLE IRRITATION AND DERMATITIS. SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE LUNGS DURING INGESTION OR FROM VOMITING MAY CAUSE CHEMICAL PNEUMONITIS OR PULMONARY EDEMA.

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

**MOBILITY:**
- MATERIAL: HUMID VOLATILE; WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.

**PERSISTENCE AND DEGRADABILITY:**
- BIODEGRADATION
  - 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

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.

SECTION XIV TRANSPORTATION INFORMATION

<table>
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<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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<tbody>
<tr>
<td>DOT</td>
<td>GROUND (NON-BULK)</td>
<td>NON-REGULATED</td>
<td>NON-REGULATED</td>
<td>NON-REGULATED</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>IATA</td>
<td>AIR</td>
<td>1993</td>
<td>FLAMMABLE LIQUID N.O.S. (STODDARD SOLVENT, AROMATIC 100)</td>
<td>3</td>
<td>III</td>
<td>Passenger Aircraft – 65% Cargo Aircraft – 220L</td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>OCEAN 1993</td>
<td>FLAMMABLE LIQUID N.O.S. (STODDARD SOLVENT, AROMATIC 100)</td>
<td>3</td>
<td>III</td>
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SECTION XV 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 (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.

**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 CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B) (STODDARD SOLVENT/MINERAL SPIRITS, AR100).

**CERCLA / RQ:** NONE ESTABLISHED. THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A);

**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

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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

<table>
<thead>
<tr>
<th>CERTI-VEX GUARD</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
<th>KEY</th>
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<tbody>
<tr>
<td>CLEAR, MATTE &amp; HG</td>
<td>2</td>
<td>2</td>
<td>3 -- SERIOUS</td>
</tr>
<tr>
<td>HEALTH</td>
<td>2</td>
<td>2</td>
<td>2 -- MODERATE</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>2</td>
<td>2</td>
<td>1 -- SLIGHT</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0</td>
<td>0</td>
<td>0 -- MINIMAL</td>
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