

## SAFETY DATA SHEET

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

#### MANUFACTURER'S NAME / ADDRESS

**ICP CONSTRUCTION**                      **TRADE NAME:** F01751-1K Ultra Tred Solvent Borne Polyurethane Battleship Gray  
7731 N. 68<sup>TH</sup> AVE.                      **COLOR:** WHITE AND TINTS  
GLENDALE, AZ 85303                      **MAIN USE:** SPECIALTY FLOORING RESIN

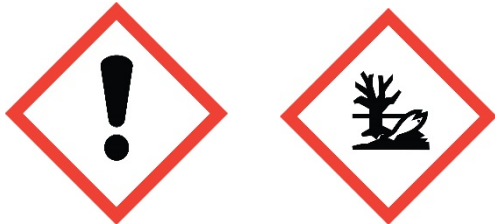
**EMERGENCY TELEPHONE NUMBER:** (800) 424-9300 (CHEMTREC)

### SECTION 2: HAZARDS IDENTIFICATION

#### GLOBALLY HARMONIZED SYSTEM (GHS)

**CLASSIFICATION:** HAZARDOUS  
**SKIN IRRITATION:** CATEGORY 2  
**EYE IRRITATION:** CATEGORY 2A  
**SKIN SENSITIZATION:** SUB-CATEGORY 1B  
**ACUTE AQUATIC TOXICITY:** CATEGORY 2  
**CHRONIC AQUATIC TOXICITY:** CATEGORY 2

#### GHS LABEL ELEMENTS HAZARD PICTOGRAMS



**SIGNAL WORD:** WARNING!

#### HAZARD STATEMENTS

H315+H320: CAN CAUSE EYE AND SKIN IRRITATION AND SENSITIZATION  
H317: MAY CAUSE ALLERGIC SKIN REACTION  
H335: MAY CAUSE RESPIRATORY TRACT IRRITATION  
H411: TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

#### PRECAUTIONARY STATEMENTS:

##### PREVENTION

P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY  
P264: WASH SKIN THOROUGHLY AFTER HANDLING  
P272: CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE  
P273: AVOID RELEASE TO THE ENVIRONMENT  
P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION

##### RESPONSE

P302+P352: **IF ON SKIN:** WASH WITH PLENTY OF SOAP AND WATER  
P305+P351+P338: **IF IN EYES:** RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING.  
P333+P313: IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION  
P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION  
P361+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE  
P391: COLLECT SPILLAGE

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### SECTION 2: HAZARDS IDENTIFICATION CON'T.

#### DISPOSAL

P501: DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

#### OTHER HAZARDS

NO DATA AVAILABLE

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
4,4'-ISOPROPYLDIPHENOL-EPICHLOROHYDRIN COPOLYMER	60-100	025068-38-6
BENZYL ALCOHOL	5-10	000100-51-6
O-CRESYL GLYCIDYLEETHER	1-5	002210-79-9

### SECTION 4: FIRST AID MEASURES

**GENERAL:** REMOVE PERSON FROM AFFECTED AREA AND MAKE COMFORTABLE. TREAT SYMPTOMATICALLY.

**EYES:** FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

**SKIN:** REMOVE PRODUCT AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

**INHALATION:** MOVE TO FRESH AIR. GIVE ASSISTED RESPIRATION IF BREATHING HAS STOPPED OR IS LABORED (CALL A PHYSICIAN).

**INGESTION:** GIVE 3 – 4 GLASSES OF WATER OR MILK IF PERSON CONSCIOUS. **DO NOT INDUCE VOMITING!** OBTAIN MEDICAL CARE AND TREATMENT.

### SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT:** 93°C (199°F) TCC

**CONDITIONS OF FLAMMABILITY:** NA

**FLAMMABLE LIMITS:** LEL: ND UEL: ND

**OSHA CLASS:** NOT REGULATED

**AUTO IGNITION TEMP:** ND

**HAZARDOUS COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, ALDEHYDES, ACIDS

**SENSITIVITY TO IMPACT:** ND

**SENSITIVITY TO STATIC DISCHARGE:** ND

**EXTINGUISHING MEDIA:** IGNITION MAY GIVE RISE TO A CLASS B FIRE. IN CASE OF FIRE USE: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM.

**SPECIAL FIRE FIGHTING PROCEDURES:** WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. WATER SPRAY IS USEFUL IN COOLING FIRE-EXPOSED VESSELS AND IN DISPERSING VAPORS.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** MAY GENERATE TOXIC OR IRRITATING COMBUSTION PRODUCTS. SUDDEN REACTION AND FIRE MAY RESULT IF PRODUCT IS MIXED WITH AN OXIDIZING AGENT.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** SHUT OFF SOURCES OF IGNITION. COVER SPILLS WITH ABSORBENT. PLACE IN METAL CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT ENTRY INTO SEWERS, STORM DRAINS, AND WATERWAYS.

### SECTION 7: HANDLING AND STORAGE

**GENERAL:** STORE IN COOL, WELL VENTILATED AREAS. KEEP AWAY FROM HEAT AND OPEN FLAMES. AVOID PROLONGED INHALATION OF HEATED VAPORS OR MISTS. AVOID PROLONGED SKIN CONTACT.

**STORAGE:** AVOID TEMPERATURE EXTREMES. STORE AWAY FROM EXCESSIVE HEAT, FROM SOURCES OF IGNITION AND FROM REACTIVE MATERIALS.

### SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
025068-38-6	NE	NE	NE	NE	
000100-51-6	NE	NE	NE	NE	
002210-79-9	NE	NE	NE	NE	

**LEGEND:** (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT, (+) PERCUTANEOUS RISK  
 NOTE 1: VALUES MEANINGFUL ONLY WHEN HARDENED PRODUCT IS ABRADED, GROUND, ETC.

**ENGINEERING CONTROLS:** NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.

**RESPIRATORY PROTECTION:** NONE REQUIRED IN ADEQUATELY VENTILATED AREAS. IF VAPOR CONCENTRATION EXCEEDS 20ppm FOR LONGER THAN 15 MINUTES, A NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS IS RECOMMENDED.

**PROTECTIVE GLOVES:** NITRILE RUBBER

**EYE PROTECTION:** SPLASH-PROOF GOGGLES OR CHEMICAL SAFETY GLASSES

**OTHER PROTECTIVE EQUIPMENT:** LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> >120°C (199°F)	<b>SPECIFIC GRAVITY:</b> 1.1-1.2
<b>VAPOR PRESSURE:</b> < 0.13 kPa @ 20°C (68°F)	<b>MELTING POINT:</b> ND
<b>VAPOR DENSITY:</b> ND (AIR = 1)	<b>EVAPORATION RATE:</b> <1 (BUTYL ACETATE = 1)
<b>SOLUBILITY IN WATER:</b> INSOLUBLE	<b>pH:</b> NA
<b>COEFFICIENT of WATER/OIL DISTRIBUTION:</b> ND	<b>ODOR THRESHOLD:</b> ND
<b>APPEARANCE AND ODOR:</b> CLEAR TO HAZY AMBER LIQUID, MILD ODOR	
<b>% VOLATILES BY VOLUME:</b> 0%	<b>%SOLIDS BY WEIGHT:</b> 100%

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**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** STABLE;

**CONDITIONS TO AVOID:** NOT APPLICABLE (MATERIAL IS STABLE)

**INCOMPATIBILITY (MATERIAL TO AVOID):** OXIDIZING AGENTS (PERCHLORATES, NITRATES), STRONG ACIDS, HYPOCHLORITES, PEROXIDES.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>

**HAZARDOUS POLYMERIZATION (REACTIVITY):** WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION****ACUTE TOXICITY****ACUTE ORAL TOXICITY**

VERY LOW TOXICITY IF SWALLOWED. HARMFUL EFFECTS NOT ANTICIPATED FROM SWALLOWING SMALL AMOUNTS

LD50, RAT >15,000 mg/kg

**ACUTE DERMAL TOXICITY**

PROLONGED SKIN CONTACT IS UNLIKELY TO RESULT IN ABSORPTION OF HARMFUL AMOUNTS

LD50, RABBIT 23,000 mg/kg

**ACUTE INHALATION TOXICITY**

AT ROOM TEMPERATURE, EXPOSURE TO VAPOR IS MINIMAL DUE TO LOW VOLATILITY. VAPOR FROM HEATED MATERIAL, MIST OR AEROSOLS MAY CAUSE RESPIRATORY IRRITATION.

LC50 HAS NOT BEEN DETERMINED

**SKIN CORROSION/IRRITATION**

PROLONGED CONTACT MAY CAUSE SKIN IRRITATION WITH LOCAL REDNESS

REPEATED CONTACT MAY CAUSE SKIN IRRITATION WITH LOCAL REDNESS

**SERIOUS EYE DAMAGE/EYE IRRITATION**

MAY CAUSE EYE IRRITATION

CORNEAL INJURY IS UNLIKELY

**SENSITIZATION**

FOR SIMILAR MATERIAL(S):

HAS CAUSED ALLERGIC SKIN REACTIONS IN HUMANS

HAS DEMONSTRATED THE POTENTIAL FOR CONTACT ALLERGY IN MICE

FOR RESPIRATORY SENSITIZATION:

NO RELEVANT DATA FOUND

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)**

EVALUATION OF AVAILABLE DATA SUGGESTS THIS MATERIAL IS NOT AN STOT-SE TOXICANT

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)**

EXCEPT FOR SKIN SENSITIZATION REPEATED EXPOSURES TO LOW MOLECULAR WEIGHT EPOXY RESINS OF THIS TYPE ARE NOT ANTICIPATED TO CAUSE ANY SIGNIFICANT ADVERSE EFFECTS.

**CARCINOGENIC DATA:** NTP: NONE

TERATOGENICITY: NO

EMBRYOTOXICITY: NO

**OSHA:** NONE

**IARC:** NONE

MUTAGENICITY: NO

SYNERGISTIC MATERIAL: NO

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**SECTION 12: ECOLOGICAL INFORMATION****TOXICITY****ACUTE TOXICITY TO FISH**

MATERIAL IS MODERATELY TOXIC TO AQUATIC ORGANISMS ON AN ACUTE BASIS (LC50/EC50 BETWEEN 1 AND 10 mg/l IN THE MOST SENSITIVE SPECIES TESTED)  
LC50, ONCORHYNCHUS MYKISS (RAINBOW TROUT), SEMI-STATIC TEST. 96 HR, 2 mg/l

**ACUTE TOXICITY TO AQUATIC INVERTEBRATES**

EC50, DAPHNIA MAGNA (WATER FLEA), STATIC TEST, 48 HR, 1.8 mg/l

**ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS**

ErC50, SCENEDESMUS CAPRICORNUTUM (FRESH WATER ALGAE), STATIC TEST, 72 HR, GROWTH RATE INHIBITION 11mg/L

**TOXICITY TO BACTERIA**

IC50, BACTERIA, 18 HR, RESPIRATION RATES > 42.6 mg/l

**CHRONIC AQUATIC TOXICITY****CHRONIC TOXICITY TO AQUATIC INVERTEBRATES**

MATC (MAXIMUM ACCEPTABLE TOXICANT LEVEL), DAPHNIA MAGNA, SEMI STATIC TEST, 21 d, NUMBER OF OFFSPRING, 0.55 mg/l

**PERSISTANCE AND DEGRADABILITY**

**BIODEGRADABILITY:** BASED ON STRINGENT OECD TEST GUIDELINES, THIS MATERIAL CANNOT BE CONSIDERED READILY BIODEGRADABLE; HOWEVER, THESE RESULTS DO NOT NECESSARILY MEAN THAT THE MATERIAL IS NOT BIODEGRADABLE UNDER ENVIRONMENTAL CONDITIONS.

10 DAY WINDOW: NA

**BIODEGRADATION:** 12%

**EXPOSURE TIME:** 28 DAYS

**METHOD:** OECD TEST GUIDELINE 302B OR EQUIVALENT

**THEORETICAL OXYGEN DEMAND:** 2.35 mg/mg ESTIMATED

**PHOTODEGRADATION**

**TEST TYPE: HALF-LIFE (INDIRECT PHOTOLYSIS)**

**SENSITIZER:** OH RADICALS

**ATMOSPHERIC HALF-LIFE:** 1.92 HR

**METHOD:** ESTIMATED

**BIOACCUMULATIVE POTENTIAL**

**BIOACCUMULATION:** BIOCONCENTRATION POTENTIAL IS MODERATE (BCF BETWEEN 100 AND 3000 OR LOG POW BETWEEN 3 AND 5)

**PARTITION COEFFICIENT: N-OCTANOL/WATER (LOG POW):** 3.242 @25°C ESTIMATED

**MOBILITY IN SOIL**

POTENTIAL FOR MOBILITY IN SOIL IS LOW (K<sub>oc</sub> BETWEEN 500 AND 2000)

GIVEN ITS VERY LOW HENRY'S CONSTANT, VOLATIZATION FROM NATURAL BODIES OF WATER OR MOIST SOIL IS NOT EXPECTED TO BE AN IMPORTANT FATE PROCESS

**PARTITION COEFFICIENT (K<sub>oc</sub>):** 1800-4400 ESTIMATED

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHODS:** NOT A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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**SECTION 14: TRANSPORT INFORMATION**

**DOT PROPER SHIPPING NAME:** RESIN COMPOUND, NOT REGULATED      **HAZARD CLASS:** NA  
**UN NUMBER:** NA      **PACKAGING GROUP:** NA  
**DOT PRODUCT RQ LBS (KGS):** NA      **HAZARD LABEL:** NA  
**HAZARD PLACARD** NA  
**IMO SHIPPING DATA:** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (EPOXY RESIN) , 9, PGIII  
**ICAO/IATA SHIPPING DATA:** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (EPOXY RESIN) , 9, PGIII  
**ADDITIONAL INFORMATION:** NONE

**SECTION 15: REGULATORY INFORMATION**

**VOC: COMPONENT:** 0 grams/Liter      **AS APPLIED:** 0 grams/Liter (PART OF MULTI-COMPONENT SYSTEM)  
**TSCA (TOXIC SUBSTANCE CONTROL ACT):** ALL COMPONENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.  
**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT):** ND  
**SARA TITLE III**  
**SECTION 312 HAZARD CLASS:** IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED (CHRONIC) HEALTH HAZARD  
**SECTION 313 LISTED INGREDIENTS:** NONE ABOVE de Minimus LEVELS  
**CALIFORNIA PROPOSITION 65:** THE BELOW LIST OF COMPOUNDS IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: NONE.

**SECTION 16: OTHER INFORMATION**

**INITIAL ISSUE DATE:** APRIL 22, 2015      **REVISION DATE:**      **PREPARED BY:** J.W. ESSIG

**HAZARD RATING**

**HMIS:**                                      **HEALTH**    1                      **FLAMMABILITY**    1                      **REACTIVITY**    2

**LEGEND**

ACGIH:            AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS  
 OSHA:            OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
 STEL:            SHORT TERM EXPOSURE LIMIT  
 TWA:            TIME WEIGHTED AVERAGE  
 PEL:            PERMISSIBLE EXPOSURE LIMIT  
 TLV:            THRESHOLD LIMIT VALUE  
 NA:            NOT APPLICABLE  
 NE:            NOT ESTABLISHED  
 ND:            NO DATA

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