

**EMERGENCY CONTACT: (800) 424-9300 CHEMTREC****SECTION I: IDENTIFICATION****PRODUCT NAME:** GLASS ARMOR™ 27P RESIN (GA27P RESIN)**CHEMICAL FAMILY:** DIGLYCIDYL ETHER BISPHENOL-A & EPOXY NOVOLAC RESINS.**PRODUCT TYPE:** LIQUID EPOXY RESIN**MANUFACTURER:** BRIDGEPORT CHEMICAL  
1925 WHITFIELD PARK LOOP  
SARASOTA, FL 34243  
(800) 676-8265

| HMIS   |      |            |
|--------|------|------------|
| HEALTH | FIRE | REACTIVITY |
| 2      | 1    | 0          |

**SECTION II: COMPOSITION****COMMON NAME:** BISPHENOL-A EPOXY RESIN  
PERCENT CONTENT: TRADE SECRET  
CAS #: 25085-99-6**COMMON NAME:** EPOXY NOVOLAC RESIN  
PERCENT CONTENT: TRADE SECRET  
CAS #: 28064-14-4**COMMON NAME:** SILICA SAND  
PERCENT CONTENT: 20-60%  
CAS #: 12001-26-2**SECTION III: HAZARDS IDENTIFICATION**

**IMPORTANT:** THIS MATERIAL WILL NOT BE SOLD FOR USE IN PRODUCTS FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES, ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY IS SPECIFICALLY INTENDED. BECAUSE OF THE WIDE RANGE OF SUCH POTENTIAL USES, BRIDGEPORT CHEMICAL IS NOT ABLE TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR SUCH USES AND ASSUMES NO LIABILITY FOR ANY SUCH USES.

**HAZARD STATEMENT:** THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.

**SECTION IV: FIRST AID MEASURES**

**EYES -** FOR EYE CONTACT, IMMEDIATELY FLUSH EYES FOR AT LEAST FIFTEEN MINUTES WITH RUNNING WATER. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE EYE SURFACE AND LIDS WITH WATER. IF PHYSICIAN IS NOT AVAILABLE, FLUSH FOR AN ADDITIONAL FIFTEEN MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

# MATERIAL SAFETY DATA SHEET (GLASS ARMOR™ 27P RESIN)

**SKIN** - FOR SKIN CONTACT, IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES UNDER A SAFETY SHOWER. WASH AFFECTED AREAS THOROUGHLY WITH PLENTY OF WATER AND SOAP FOR AT LEAST FIFTEEN MINUTES. DISCARD OR DECONTAMINATE CLOTHING BEFORE RE-USE, AND DESTROY CONTAMINATED SHOES.

**INGESTION** - IF SWALLOWED, GET IMMEDIATE MEDICAL ATTENTION.

**INHALATION** - IF INHALED, REMOVE FROM AREA TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION IF BREATHING IS DIFFICULT, TRANSPORT TO MEDICAL CARE AND, IF AVAILABLE, GIVE SUPPLEMENTAL OXYGEN.

**OTHER** - PROMPTLY REMOVE CONTAMINATED NON-IMPERVIOUS CLOTHING. WASH BEFORE RE-USE.

## SECTION V: FIRE AND EXPLOSION DATA

**FLASHPOINT:** >200 °F.

**EXTINGUISHING MEDIA:** CARBON DIOXIDE, FOAM, DRY CHEMICAL, AND WATER SPRAY.

**SPECIAL FIRE FIGHTING PROCEDURES:** USE SELF-CONTAINED BREATHING APPARATUS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

## SECTION VI: ACCIDENTAL RELEASE MEASURES

**PROTECT PEOPLE:** ISOLATE HAZARD AREA AND KEEP UNNECESSARY PEOPLE AWAY.

**PROTECT THE ENVIRONMENT:** KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS, AND SOIL. FOR LARGE SPILLS CONTAIN WITH A DIKE AND EVACUATE UPWIND.

**CLEAN-UP PROCEDURES:** AVOID ALL PERSONAL CONTACT, VENTILATE AREA, AND ELIMINATE ALL SOURCES OF IGNITION. COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP. USE AN ABSORBENT MATERIAL (SUCH AS SAND OR DRY SOIL) TO PICK-UP RESIDUE AND SHOVEL INTO A CLOSEABLE CONTAINER. FLUSH CONTAMINATED AREA WITH WATER SPRAY.

**WASTE DISPOSAL METHODS:** DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION VII: HANDLING AND STORAGE

**HANDLING AND STORING PRECAUTIONS:** WARNING! HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. MAY CAUSE IRRITATION AND SENSITIZATION. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. DO NOT BREATHE VAPOR, MIST, OR SPRAY. GOOD VENTILATION AND PERSONAL HYGIENE ARE ESSENTIAL. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE AWAY FROM FOOD, FOOD CONTAINERS, AND CLOTHING. STORE BELOW 100°F. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.

## SECTION VIII: EXPOSURE CONTROLS

**VENTILATION:** GOOD GENERAL MECHANICAL VENTILATION AND LOCAL EXHAUST IS REQUIRED.

**PROTECTIVE GLOVES:** WEAR IMPERVIOUS GLOVES.

**EYE PROTECTION:** WEAR SPLASH-PROOF CHEMICAL RESISTANT GOGGLES.

**RESPIRATORY PROTECTION:** USE OSHA, NIOSH APPROVED AMINE ORGANIC CARTRIDGE VAPOR RESPIRATOR.

**OTHER PROTECTIVE EQUIPMENT:** WEAR PROTECTIVE EQUIPMENT TO PREVENT EXPOSURE AND PERSONAL CONTACT.

## SECTION IX: PHYSICAL DATA

## MATERIAL SAFETY DATA SHEET (GLASS ARMOR™ 27P RESIN)

APPEARANCE AND ODOR: BLUE, THIXOTROPIC LIQUID, MODERATE ODOR.

DECOMPOSITION TEMP: >200 °F

PERCENT VOLATILE: > NIL

SOLUBILITY IN WATER: INSOLUBLE

DENSITY: > 12.5 POUNDS PER GALLON

### SECTION X: REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS AND ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND/OR CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: MASSES OF 1LB OR MORE PLUS AMINES WILL CAUSE AN IRREVERSIBLE POLYMERIZATION WITH CONSIDERABLE HEAT BUILD UP. STRONG ACIDS OR BASES.

### SECTION XI: TOXICOLOGICAL INFORMATION

THE INFORMATION PROVIDED IN THIS SECTION PERTAINS TO THE INDIVIDUAL COMPONENTS OF THIS PRODUCT.

#### BISPHENOL-A EPOXY RESIN

TOXIC EFFECTS: EYE – MAY CAUSE TEMPORARY EYE IRRITATION. SKIN – REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION. PROLONGED EXPOSURE NOT LIKELY TO CAUSE SIGNIFICANT SKIN IRRITATION. INGESTION – SINGLE DOSE ORAL TOXICITY IS CONSIDERED TO BE EXTREMELY LOW.

CARCINOGENICITY – LISTED BY:

ACGIH: NO IARC MONOGRAPHS: NO NTP ANNUAL REPORT: NOT LISTED OSHA: NO

#### EPOXY NOVOLAC RESIN

TOXIC EFFECTS: EYE – MAY CAUSE TEMPORARY EYE IRRITATION. SKIN – REPEATED OR PROLONG EXPOSURE MAY CAUSE MODERATE SKIN IRRITATION. INGESTION – SINGLE DOSE ORAL TOXICITY IS CONSIDERED TO BE LOW.

CARCINOGENICITY – LISTED BY:

ACGIH: NO IARC MONOGRAPHS: NO NTP ANNUAL REPORT: NOT LISTED OSHA: NO

#### SILICA SAND

TOXIC EFFECTS:

EXCESSIVE INHALATION OF SILICA DUST MAY RESULT IN RESPIRATORY DISEASE, INCLUDING SILICOSIS, PNEUMOCONIOSIS AND PULMONARY FIBROSIS. SYMPTOMS OF SILICOSIS BECOME PROGRESSIVE WITH EXPOSURE AND ADVANCED AGING. SYMPTOMS ARE USUALLY DELAYED (10 YEARS OR MORE), BUT MAY APPEAR IN AS LITTLE AS 8-18 MONTHS AFTER INITIAL EXPOSURE.

CARCINOGENICITY – LISTED BY:

ACGIH: NO IARC MONOGRAPHS: YES NTP ANNUAL REPORT: NOT LISTED OSHA: NO

### SECTION XII: ECOLOGICAL INFORMATION

# MATERIAL SAFETY DATA SHEET (GLASS ARMOR™ 27P RESIN)

NO DATA IS AVAILABLE ON THIS PRODUCT.

## SECTION XIII: DISPOSAL CONSIDERATIONS

THE CONTAINER IS CONSIDERED HAZARDOUS WHEN EMPTY BECAUSE IT CAN RETAIN PRODUCT RESIDUES. THEREFORE, DO NOT REUSE CONTAINER AND DISPOSE OF PROPERLY PER LOCAL, STATE AND FEDERAL REGULATIONS.

## SECTION XIV: TRANSPORTATION INFORMATION

**DOT CLASS:** NOT REGULATED

**NMFC NUMBER:** 46030

## SECTION XV: REGULATORY INFORMATION

**RCRA STATUS:** NOT A HAZARDOUS WASTE UNDER RCRA (40 CFR 261)

**CERCLA STATUS:** SARA/TITLE III - TOXIC CHEMICAL LIST: THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL FOR ROUTINE ANNUAL TOXIC CHEMICAL RELEASE REPORTING" UNDER SECTION 313 (40 CFR 372) CAS #. (BISPHENOL-A), LESS THAN 2%.

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

**TSCA INVENTORY STATUS:** CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

FOR FURTHER INFORMATION, PLEASE CONTACT PRODUCT SAFETY DIRECTOR.

## SECTION XVI: OTHER INFORMATION

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. ALL CHEMICALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. FINAL DETERMINATION OF SUITABILITY OF THE CHEMICAL IS THE SOLE RESPONSIBILITY OF THE USER. USERS OF ANY CHEMICAL SHOULD SATISFY THEMSELVES THAT THE CONDITIONS AND METHODS OF USE ASSURE THAT THE CHEMICAL IS USED SAFELY. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER NATURE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN, OR TO THE CHEMICAL TO WHICH THE USER REFERS.

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