

GLENMARC INDUSTRIES INC. 2001 S. BLUE ISLAND AVE. CHICAGO IL 60608 PH: 312-243-0800 FAX: 312-243-4670 EMAIL: info@glenmarc .com

**MATERIAL SAFETY DATA SHEET
P-1500 PORTION STICK**

Msd date: 6/14/2002

SECTION I- PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: P-1500 PORTION STICK
CAS NUMBER: MIXTURE
HAZARD RATING: HEALTH: 1 FIRE:1 REACTIVITY: 0 PPI: B

COMPANY IDENTIFICATION: GLENMARC INDUSTRIES INC.
2001 S. BLUE ISLAND AVE
CHICAGO IL 60608
TELEPHONE/FAX PH: 312-243-0800 FAX: 312-243-4670
EMERGENCY(24 HOUR) CHEMTEL 800-255-3924

PRODUCT CLASS: EPOXY PUTTY
TRADE NAME: P-1500 PORTION STICK
PRODUCT CODE: 220-0014/ 220-0014K
DOT HAZARD CLASS: NONE
SHIPPING NAME: PUTTY, NMFC 150110

SECTION II- INGREDIENT AND HAZARD INFORMATION

INGREDIENT NAME	CAS NUMBER	PERCENT
TSCA		
GLYCIDYL ETHERS OF BISPHENOL A RESINS	25068-38-6	10-30
Y		
HMIS HEALTH:2	FIRE:1	REACTIVITY: 0 PPI: B
CRYSTALLINE SILICA	14808-60-7	7-13 Y
HMIS HEALTH:2	FIRE:1	REACTIVITY: 0 PPI: E
TRI (DIMETHYLAMINOMETHYL) PHENOL	90-72-2	0.5-1.5
Y		
HMIS HEALTH:2	FIRE:1	REACTIVITY:1 PPI:D
ZINC SULFIDE	1314-98-3	0.5-1.5 Y
HMIS HEALTH:2	FIRE:1	REACTIVITY:1 PPI:E

***ALL INGREDIENTS IN THIS PRODUCT ARE LISTED IN THE T.S.C.A. INVENTORY WARNING! RESPIRABLE CRYSTALLINE SILICA (QUARTZ) IS CLASSIFIED AS A PROBABLE CARCINOGEN, THE CRYSTALLINE SILICA PRESENT IN THIS PRODUCT IS ENCAPSULATED IN THE EPOXY RESIN AND COULD ONLY BE LIVERATED BY SANDING OR ABRADING, AND THEN NOT AS PURE CYRSTALLINE SILICA. APPROPRIATE PRECAUTIONS SHOULD BE TAKEN IF THE PRODUCT IS SANDED OR ABRADED TO PRECLUDE PERSONNEL FROM BREATHING THE DUST.

SECTION III - PHYSICAL DATA

FORM: PUTTY
APPEARANCE/COLOR: WHITE/NEUTRAL
ODOR: SULFUR, MERCAPTAN
SOLUBILITY (IN WATER): INSOLUBLE IN WATER
PH VALUE: NOT APPLICABLE
BOILING RANGE: NOT APPLICABLE
VAPOR PRESSURE (MMHG) NOT APPLICABLE
MELTING POINT: NOT APPLICABLE
EVAPORATION RATE: NON VOLATILE
VAPOR DENSITY: NON VOLATILE
% VOLATILE WEIGHT 0.0%
% VOLATILE < 1%
VOC < 1%
MOLECULAR WEIGHT:
HEAVY ELEMENTS (PPM) 0.
SPECIFIC GRAVITY 1.95

NOTE: THE PHYSICAL DATA REPRESENTED ABOVE ARE TYPICAL VALUES AND SHOULD NOT BE CONSTRUED AS A SPECIFICATION. FOR ADDITIONAL PHYSICAL DATA AND DETAILS ON USE, PLEASE OBTAIN A TECHNICAL DATA SHEET FOR THIS PRODUCT.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS IIIB
FLASH RANGE NOT APPLICABLE
EXPLOSIVE RANGE NOT APPLICABLE

EXTINGUISHING MEDIA:

WATER SPRAY, FOAM, CO2, DRY CHEMICALS

UNUSUAL HAZARDS:

ALDEHYDES, ACIDS, AND OXIDES OF CARBON, NITROGEN, AND SULFUR.

FIRE FIGHTING:

FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH-APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPERATUS (SCBA) AND FULL PROTECTIVE CLOTHING.

SECTION V - HEALTH HAZARD DATA

GLYCIDYL ETHERS OF BISPHENOL A RESINS

ORAL	RAT, ADULT	LD50 5000. MG/KG
SKIN	RABBIT, ADULT	LD50 20000. MG/KG
TRI (DIMETHYLAMINOMETHYL) PHENOL		
ORAL	RAT, ADULT	LD50 1630. MG/KG

PERMISSIBLE EXPOSURE LEVEL: N/A

EFFECTS OF OVEREXPOSURE:

INHALATION: NONE
INGESTION: IRRITATION OF INTESTINAL TRACT
SKIN CONTACT: POSSIBLE IRRITANT AND SENSITIZER
EYE CONTACT: POSSIBLE IRRITANT AND SENSITIZER

FIRST AID:

INHALATION: REMOVE TO FRESH AIR.
INGESTION: SEEK MEDICAL ADVICE.
SKIN CONTACT: WASH WITH PLENTY OF SOAP AND WATER.
EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, SEEK MEDICAL ADVICE.

NOTE: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VI – STABILITY AND REACTIVITY DATA

STABILITY: THIS PRODUCT IS STABLE
HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR
INCOMPATIBILITY: NONE
CONDITIONS TO AVOID: NONE
HAZARDOUS DECOMPOSITION PRODUCTS:
ALDEHYDES, ACIDS, AND OXIDES OF CARBON, NITROGEN, AND SULFUR.

SECTION VII – SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN: SPILLS OR LEAKS: DISPOSE OF IN NORMAL MANNER.
WASTE DISPOSAL METHOD: INCINERATE IN FURNACE OR BURY IN LANDFILL IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS; NOT A HAZARDOUS WASTE.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
GLYCIDYL ETHERS OF BISPHENOL A RESINS				
N/EST	N/EST	N/EST	N/EST	N/EST
CRYSTALLINE SILICA				
1.10 MG/M3	N/EST	N/EST	N/EST	0.10 MG/M3
TRI (DIMETHYLAMINOMETHYL) PHENOL				
5.00 PPM	N/EST	N/EST	N/EST	N/EST
ZINC SULFIDE				
5.00 MG/M3	N/EST	N/EST	N/EST	5.00 MG/M3

PROTECTIVE EQUIPMENT TYPES:

EYES: SAFETY GLASSES OR GOGGLES.
RESPIRATORY: NONE REQUIRED UNLESS SANDING OR ABRADING.
GLOVES: APPROPRIATE IMPERVIOUS GLOVES. BECAUSE A VARIETY OF PROTECTIVE GLOVES EXIST, CONSULT GLOVE MANUFACTURER TO DETERMINE THE PROPER TYPE FOR A SPECIFIC OPERATION.
OTHER: NONE REQUIRED

VENTILATION:

GENERAL MECHANICAL: NONE REQUIRED
LOCAL EXHAUST: ONLY IF HEATED ABOVE 100F (38C)

SECTION IX – HANDLING AND STORAGE

STORAGE TEMPERATURE: < 90F (32C)
STORAGE CONDITIONS: STORE IN COOL, DRY, WELL VENTILATED AREA.

TRANSFER: NO SPECIAL PRECAUTIONS ARE NEEDED. FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

PERSONAL HYGIENE: WASH THOUROUGHLY AFTER HANDELING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, AND USING RESTROOM FACILITIES. WASH CONTAMINATED GOGGLES, FACESHIELD, AND GLOVES. PROFESSINALLY LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.

EMPTY CONTAINER PRECAUTIONS: ATTENTION! THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY. FOLLOW LABEL CAUTIONS EVEN AFTER THE CONTAINER IS EMPTY SINCE EMPTY CONTAINERS COULD RETAIN PRODUCT RESIDUES. DO NOT RE-USE EMPTY CONTAINERS FOR FOOD, CLOTHING, OR PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION, OR WHERE SKIN CONTACT CAN OCCUR.

SECTION X – REGULATORY INFORMATION

SARA TITLE III SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372:

INGREDIENT NAME	CAS NUMBER	PERCENT
ZINC SULFIDE	1314-98-3	0.5 – 1.5

NOTE:

USER RESPONSIBILITY: A BULLETIN SUCH AS THIS CANNOT BE EXPECTED TO COVER ALL POSSIBLE INDIVIDUAL SITUATIONS. AS THE USER HAS THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE, ALL ASPECTS OF AN INDIVIDUAL OPERATION SHOULD BE EXAMINED TO DETERMIN IF, OR WHERE, PRECAUTIONS – IN ADDITION TO THOSE DESCRIBED HEREIN – ARE REQUIRED. ANY HEALTH HAZARD AND SAFETY INFORMATION HEREIN SHOULD BE PASSED ON TO YOUR CUSTOMERS OR EMPLOYEES AS THE CASE MAY BE.

DISCLAIMER OF LIABILITY: THE INFORMATION 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 THE USE OF THIS MATERIAL. ALL CHEMICALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DISCRIBED HEREIN, WE CAN NOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST. FINAL DETERMINATION OF SUITABILITY OF THE CHEMICAL IS THE SOLE RESPONSIBILITY OF THE USER. NO REPRESENTATION 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 REFERS. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.