



"YOU SUPPLY THE TALENT... WE'LL SUPPLY THE REST!"

THE COMPLEAT SCULPTOR

I. PRODUCT IDENTIFICATION

Trade name: (as labeled) Magic-Sculp (resin)
 Date prepared or revised 6/22/94

-III. HAZARDOUS INGREDIENTS

Chemical Name:	CAS Numbers	Percent*	Exposure	Limits In Air	(Indicate Units)
			ACGIH TLV	OSHA PEL	Other (specify)
Phenol,4,4 ¹ - (Methylethylidene)	25069-38-6	50%	None	None	
BIS-, Polymer with (Chloromethyl) Oxirane.		50% Inert	Established	Established	

III. PHYSICAL PROPERTIES

Vapor Density N/A Melting point or range, °F Greater than 200C
 Specific Gravity 1.17 (H2O) Boiling point or range, °F Greater than 200C
 Soluble in water Insoluble Evaporation rate (butyl acetate =1) N/A
 Vapor Pressure, mm HG at 20°C 0
 Appearance and odor Very thick, grayish-white putty
 How to detect this substance (warning properties of substance as a gas, vapor, dust or mist): Not Applicable

IV. FIRE AND EXPLOSION

Flash Point, °F (give method): 490°F closed cup
 Auto ignition temperature, °F: N/A
 Flammable limits in air, % by volume: lower (LEL): N/A Upper(LEL): N/A
 Fire Extinguishing materials: Water Spray Carbon Dioxide Foam Dry Chemical
 Special firefighting procedures: Use self-contained breathing apparatus
 Unusual fire and explosion hazards; Decomposition and combustion products may be toxic

V. HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF EXPOSURE: Dermal
 ORAL LD50: (Rats) >5,000 Mg/Kg
 Dermal LD50: (Rabbits) >6,000 Mg/Kg
 SKIN IRRITATION: (Rabbit) Moderate irritation
 EYE IRRITATION: (Rabbit) Slight irritation
 SENSITIZATION: Moderate sensitizer
 TERATOGENICITY (Rats, Rabbits) No adverse effects on embryonic or fetal development were observed
 MUTAGENICITY: AMES Tests: Both positive and negative results
 Hamster Bone marrow cytogenetics (In vivo) Negative
 Mouse spermatocytes cytogenetics (Invivo) Negative
 Micronucleus Test (In vivo) Negative
 Mouse dominant Lethal test Negative
 Alkylation of DNA Postive
 Human mononucleated WBC (In vitro) Negative
 Host medicated assay: Negative
 SUBCHRONIC ORAL FEEDING STUDIES: (Rats) No observable effect at highest level studied (1000 Mg/Kg/Day for 28 days)
 OVEREXPOSURE-CHRONIC
 2-year DERMAL study in mice: No treatment related effects
 2-Year Skin painting studies:
 A) C3HF/BD Mice: No increased tumor incidence
 B) C57BL/6BD Mice: Slight increase in epidermal localizes carcinomas at high dose
 C) C3H Mice: No tumors
 Mice receiving skin application of the diglycidyl ether of bisphenol A or essentially identical resins for two years have yielded very limited evidence of weak carcinogenicity. The published report on this study concludes that this resin product "is not a system carcinogen when applied to the skin of CFI mice" and the tumor data "was of no biological importance". Based on all available data, IARC (International Agency for Research on Cancer) has concluded that DGEBA is not classified as a carcinogen.
 OVEREXPOSURE EFFECTS: Irritation, sensitization and dermatitis

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE: Allergy, eczema or skin conditions

EMERGENCY AND FIRST AID PROCEDURES – EYES: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to endure rinsing of the entire eye surface with water. Get immediate medical attention.

EMERGENCY AND FIRST AID PROCEDURES – SKIN: For skin contact, was with large amounts or running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

EMERGENCY AND FIRST AID PROCEEDURES – INGESTION: If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give water again. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

EMERGENCY AND FIRST AID PROCEDURES – INHALATION: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

EMERGENCY AND FIRST AID PRODECURES – OTHER: Promptly remove wet, contaminated non-impervious clothing. Wash before reuse.

VI. REACTIVITY DATA

Stability: Stable

Incompatibility (materials to avoid) Strong oxidizing agents

Hazardous polymerization: Will not occur

Conditions to avoid: Elevated temperatures. Contact with strong acids or bases in bulk.

Hazardous decomposition products (including combustion products): Carbon monoxide, carbon dioxides, aldehydes.

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Not applicable

Preparing wastes for disposal (container types, neutralization, etc.): Dispose in accordance with Federal, Sate and local regulations

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Use good ventilation

Respiratory protection (type): If needed, organic chemical cartridge respirator.

Eye Protection: Not applicable for splash, do not rub eyes with contaminated hands.

Gloves (specify materials): Impervious gloves.

Other clothing and equipment: Not applicable.

Work practices, hygienic practices: Keep away from foodstuffs. Keep all tools and working areas clean.

Other handling and storage requirements: Not applicable

Protective measures during maintenance of contaminated equipment: Not available.

I. PRODUCT IDENTIFICATION

Trade name: (as labeled) Magic-Sculp (hardener)

Date prepared or revised: 6/22/94

II. HAZARDOUS INGREDIENTS

Chemical Name:	CAS Numbers	Percent*	Exposure	Limits In Air	(Indicate Units)
Phenol,4,4'- (Methylethylidene)	80-05-4	40%	ACGIH TLV Not	OSHA PEL Not	Other (specify) Manufac. Recommended TVL: 30 Mg/Cu. M
Bisphenol		60% Inert	Established	Established	

III PHYSICAL PROPERTIES

Vapor Density	N/A	Melting point or range, °F	N/A
Specific Gravity	.097 (H2O=1)	Boiling point or range, °F	N/A
Soluble in water	Slight	Evaporation rate (butyl acetate =1)	N/A
Vapor Pressure, mm HG at 20°C	N/A		
Appearance and odor	Light grey, very thick putty, Amine odor		

How to detect this substance (warning properties of substance as a gas, vapor, dust or mist): Slight Amine or Ammonia odor

IV FIRE AND EXPLOSION

Flash Point, °F (give method): 263°F closed cup

Auto ignition temperature, °F: N/A

Flammable limits in air, % by volume: lower (LEL): N/A Upper(LEL): N/A

Fire Extinguishing materials: Water Spray Carbon Dioxide Foam Dry Chemical

Special firefighting procedures: Unusual fire and explosion hazards: Decomposition and combustion products may be toxic

V HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF EXPOSURE: Dermal

ORAL LD50: (Rats): 3.2 G/Kg (Component)

Dermal LD50: (Rabbits): >3.0 G/Kg (Component)

SKIN IRRITATION: (Rabbit) Severe irritation

EYE IRRITATION: Severe irritation

SENSITIZATION: Moderate sensitizer

OVEREXPOSURE EFFECTS: Irritation, sensitization and dermatitis

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Allergy, eczema or skin conditions

EMERGENCY AND FIRST AID PROCEDURES – EYES: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to endure rinsing of the entire eye surface with water. Get immediate medical attention.

EMERGENCY AND FIRST AID PROCEDURES – SKIN: For skin contact, wipe away excess material with a dry towel. Then wash affected area with plenty of water and soap if available for several minutes. Get medical attention if irritation occurs.

EMERGENCY AND FIRST AID PROCEDURES – INGESTION: If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give water again. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

EMERGENCY AND FIRST AID PROCEDURES – INHALATION: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

EMERGENCY AND FIRST AID PROCEDURES – OTHER: Promptly remove wet, contaminated non-impervious clothing. Wash before reuse.

VI REACTIVITY DATA

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizers and acids

Hazardous polymerization: Will not occur

Conditions to avoid: N/A

Hazardous decomposition products (including combustion products): Carbon monoxide, carbon dioxides, aldehydes.

VII SPILL, LEAK AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Not applicable

Preparing wastes for disposal (container types, neutralization, etc.): Dispose in accordance with Federal, State and local regulations

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

VIII SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Use good mechanical ventilation recommended.

Respiratory protection (type): If needed, organic chemical cartridge respirator.

Eye Protection: Not applicable for splash, do not rub eyes with contaminated hands.

Gloves (specify materials): Good quality latex gloves.

Other clothing and equipment: Not applicable.

Work practices, hygienic practices: Avoid contact with eyes. Wash all tools and hands with warm water and soap.

Other handling and storage requirements: Not applicable

Protective measures during maintenance of contaminated equipment: Not available.

Please Note: Information provided on this sheet is intended to increase its availability, but does not constitute a legal or official copy. While every care is taken to ensure that the information presented is correct, we can offer no guarantees that information is current or correct at the time that you read it or that it will suit your purpose. You are encouraged to verify the information presented before you use it. The Compleat Sculptor accepts no responsibility for any loss or damages incurred through use or misuse of the information presented. The Compleat Sculptor has tried to ensure that the information in all technical sheets is correct but does not accept liability for errors and omissions.

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