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MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

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PRODUCT NUMBER: 4-104  
IDENTITY: HARD AS STEEL  
PRODUCT CLASS: EPOXY PUTTY  
DOT PROPER SHIPPING NAME: Putty, NMFC 150110  
PRODUCT CODE: 4505

Revision Date: 01/16/2007

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Section I

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Manufacturer's Name: MAINTENANCE SOLUTIONS\*\*\* ^ Telephone Numbers:  
Address: P.O. BOX 12202 Emergency:  
800/424-9300 (CHEMTREC)  
SCOTTSDALE Information:  
State: AZ Zip Code: 85267 800/747-9593  
Preparer: I. David Crossan

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HMIS CODES: REACTIVITY: 0 FLAMMABILITY: 1 HEALTH: 1 PERSONAL PROTECT: B

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the ingredients contained in this product are listed on the TSCA inventory.)

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Name	Cas No.	Percent TSCA	Health	Fire	React.	PPE
Glycidyl ethers of bisphenol A resins	25068-38-6	10-30	Y 2	1	0	B
Tri(dimethylaminomethyl)phenol	90-72-2	0.5-1.5	Y 3	1	1	D
Zinc Sulfide	1314-98-3	0.5-1.5	Y 1	0	0	E

\*\*\*ALL ingredients in this product are listed in the T.S.C.A. inventory

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Comment:

THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN \* SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

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Section III: PHYSICAL/CHEMICAL CHARACTERISTICS

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Boiling Point: N/A Specific Gravity (water=1) 1.9  
Vapor Pressure(mm Hg) N/A Melting Point: N/A  
Vapor Density(AIR=1) Non-volatile Evaporation Rate: Non-volatile  
Solubility in Water: Insoluble (Butyl Acetate=1)  
Appearance and Odor: White/Neutral Putty, Mercaptan/Sulfur odor

Section IV: FIRE AND EXPLOSION HAZARD DATA

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Flash Point(Method Used): N/A Flammable Limits: LEL:N/A UEL: N/A  
Extinguishing Media: Water spray, foam, CO2, dry chemicals  
Special Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS WHEN INDICATED

Unusual Fire and Explosion Hazards: ALDEHYDES, ACIDS, AND OXIDE OF CARBON, NITROGEN AND SULFER.

Section V: REACTIVITY DATA

PRODUCT NUMBER: 4-104

Stability: Unstable: Conditions to avoid:
Stable: X TEMPERATURES ABOVE 120 F
Incompatibility (Materials to Avoid): NONE

Hazardous Decomposition or Byproducts: ALDEHYDES, ACIDS, AND OXIDE OF CARBON, NITROGEN AND SULFER

Hazardous Polymerization: May Occur: Will Not Occur: X
Conditions to Avoid: NONE

Section VI: HEALTH HAZARD DATA

Table with 4 columns: ROUTE, SPECIES, EXPOSURE AND DOSE. Rows include Glycidyl ethers of bisphenol A resins (Oral/Skin), and Tri(dimethylaminomethyl)phenol (Oral).

Permissible Exposure Level N/E

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Health Hazards(Acute and Chronic):
INHALATION: NONE EYES: POSSIBLE IRRITANT AND SENSITIZER.
SKIN: POSSIBLE IRRITANT AND SENSITIZER.
INGESTION: MAY CAUSE IRRITATION OF INTESTINAL TRACT.
Carcinogenicity: NTP:NO IARC Monographs:NO OSHA Reg:NO
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS ABOVE

Medical Conditions Generally Aggravated by Exposure: NONE

Emergency and First Aid Procedures: INHALATION: REMOVE TO FRESH AIR.
INGESTION: SEEK MEDICAL ADVICE. SKIN: WASH WITH SOAP AND WATER -
IF IRRITATION PERSISTS, SEE PHYSICIAN. EYES: RINSE THOROUGHLY WITH WATER
FOR 15 MINUTES-SEEK MEDICAL ADVICE.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: N/A

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE
AND LOCAL GUIDELINES.

Precautions to be Taken in Handling and Storing: KEEP AWAY FROM CHILDREN
STORE IN A COOL DRY WELL VENTILATED AREA. WASH THOROUGHLY AFTER HANDLING
ESPECIALLY BEFORE EATING, DRINKING, SMOKING AND USING THE RESTROOM FACILITIES.
WASH CONTAMINATED GOGGLES,FACE SHIELD AND GLOVES.
Other Precautions: NONE

Section VIII: CONTROL MEASURES

Respiratory Protection: USE WITH ADEQUATE VENTILATION.
Ventilation: Local Exhaust:ADEQUATE
Mechanical: N/A Special: N/A
Other: N/A
Protective Gloves:N/A
Eye Protection: SAFETY GLASSES ARE RECOMMENDED WHEN USING CHEMICAL PRODUCTS
Other Protective Clothing or Equipment:
N/A
Work/Hygienic Practices:
WASH HANDS AFTER USE