

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

Cat.No.

H1917

Sheet 1 of 2

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME A. B. CHANCE COMPANY		EMERGENCY TELEPHONE NO. 314-682-8435
ADDRESS (Number, Street, City, State, and ZIP Code) 210 North Allen St., Centralia, Missouri 65240		
CHEMICAL NAME AND SYNONYMS Diglycidyl Ether of Bisphenol A		TRADE NAME AND SYNONYMS Epoxyglas Bond Kit - Part A
CHEMICAL FAMILY EPOXY RESIN	FORMULA	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	2.2	N/A	BASE METAL		
CATALYST			ALLOYS		
VEHICLE	50.7	N.E.*	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Dibutyl Phthalate	1.8	5 mg 3 air	OTHERS		
OTHERS Fillers (Silica)	47.1	N/A			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
*N.E. = Not Established					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	>500°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.578
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	Neg.
VAPOR DENSITY (AIR=1)	>1	EVAPORATION RATE (_____ =1)	Neg.
SOLUBILITY IN WATER	Insol		
APPEARANCE AND ODOR	Orange Paste		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Closed Cup 400°F	FLAMMABLE LIMITS	Lel N/A	Uel N/A
EXTINGUISHING MEDIA Foam, CO <sub>2</sub> , Dry Chem., Water Fog			
SPECIAL FIRE FIGHTING PROCEDURES Wear full protective equipment including self-contained breathing apparatus.  Cool exposed tubes with water stream.			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

## SECTION V - HEALTH HAZARD DATA

### THRESHOLD LIMIT VALUE

Not determined.

### EFFECTS OF OVEREXPOSURE

This product contains epoxy resins which may cause skin and eye irritation and/or sensitization after repeated contact.

### EMERGENCY AND FIRST AID PROCEDURES

In case of skin contact, wash immediately with soap and water. For eyes, flush with plenty of water for 15 minutes and seek medical attention immediately.

## SECTION VI - REACTIVITY DATA

### STABILITY

UNSTABLE

STABLE

X

CONDITIONS TO AVOID

### INCOMPATIBILITY (Materials to avoid)

Strong acids, amines, mercaptans and bases

### HAZARDOUS DECOMPOSITION PRODUCTS

### HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

with amine compounds under uncontrolled conditions.

## SECTION VII - SPILL OR LEAK PROCEDURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Absorb with inert material/sand, vermiculite, etc.) sweep or scoop up and put in disposal container. Flush area immediately with plenty of water, prevent washings from entering waterways.

### WASTE DISPOSAL METHOD

Incinerate in furnace or bury in landfill in accordance with federal, state and local regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) NIOSH approved organic respirators are only required where ventilation is inadequate.

### VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

X

OTHER

### PROTECTIVE GLOVES

Impervious Gloves

### EYE PROTECTION

Safety Glasses

### OTHER PROTECTIVE EQUIPMENT

## SECTION IX - SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

WARNING - Causes irritation, may cause sensitization. Avoid contact with eyes skin and clothing. Wash thoroughly after handling.

### OTHER PRECAUTIONS

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## SECTION I

MANUFACTURER'S NAME A. B. Chance Co.		EMERGENCY TELEPHONE NO. 314-682-8435
ADDRESS (Number, Street, City, State, and ZIP Code) 210 N. Allen St. - Centralia, MO 65240		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS Epoxiglas Bond Kit - Part B
CHEMICAL FAMILY Polyamine adduct	FORMULA	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE	28.2	1ppm skin	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS Fillers (Silicon)	71.8	N/A			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.832
VAPOR PRESSURE (mm Hg.)	<1	PERCENT VOLATILE BY VOLUME (%)	NEG.
VAPOR DENSITY (AIR=1)	>1	EVAPORATION RATE (_____ =1)	NEG.
SOLUBILITY IN WATER	NEG.		
APPEARANCE AND ODOR	Gray Paste, ammoniacal odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	>200 (Setaflash)	FLAMMABLE LIMITS	Lel N/A	Uel N/A
EXTINGUISHING MEDIA	Foam, CO <sub>2</sub> , Dry Chem., Water Fog			
SPECIAL FIRE FIGHTING PROCEDURES Wear full protective equipment including self-contained breathing apparatus. Cool exposed tubes with water stream.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Phenol and diethylene triamine vapors may be evolved. Nitrogen oxides may be formed on combustion.				



SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	See Section II
EFFECTS OF OVEREXPOSURE	
Liquid causes eye injury and skin burns. Absorption through skin may be harmful.	
May cause skin sensitization or other allergic responses. Harmful if swallowed or vapor inhaled.	
EMERGENCY AND FIRST AID PROCEDURES	
Skin: immediately wash thoroughly with soap & water. Eyes: Flush immediately with plenty of water for 15 minutes and call a physician. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. If swallowed, call physician immediately.	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Fire, excessive heat. Premature reaction with acid and acidic curing agents and epoxy resins.			
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide, oxides of nitrogen.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID Strong acids and epoxy resins
	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Ventilate area well. Absorb with inert material (sand, vermiculite, etc.), sweep or scoop up and put in disposal container. Flush area with plenty of water, prevent washings from entering waterways. Remove saturated clothing. Put soiled rags in metal container immediately after use.	
WASTE DISPOSAL METHOD	
Incinerate or bury in landfill in accordance with Federal, State and local regulations. Do not incinerate closed containers.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) NIOSH approved organic respirators are only required where ventilation is inadequate.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
Impervious gloves		Safety glasses
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Practice reasonable care and cleanliness.
OTHER PRECAUTIONS	
S.P.I. Hazard Class 5 (ANSI Std. K68.1-1978)	