

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

MATERIAL SAFETY DATA SHEET

Rev. 6/90

SECTION I	
MANUFACTURER'S NAME Master Bond Inc.	EMERGENCY TELEPHONE NO. 201-343-8983
ADDRESS (Number, Street, City, State, and ZIP Code) 154 Hobart Street, Hackensack, NJ 07601	
CHEMICAL NAME AND SYNONYMS Two component epoxy adhesive, polyamide hardener blend	TRADE NAME AND SYNONYMS EP21TDC
CHEMICAL FAMILY Two component epoxy based adhesive	FORMULA Proprietary

SECTION II - HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
Polyamide/amine functional polybutadiene blend	44		ALLOYS		
VEHICLE Liquid epoxy resin	44		METALLIC COATINGS		
SOLVENTS None			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Aluminum oxide hydrate	10		OTHERS		
OTHERS silica thickener	2				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H ₂ O=1) at 77°F	1.2
VAPOR PRESSURE (mm Hg.)	NA	PERCENT VOLATILE BY VOLUME (%)	none
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (1 = 1)	NA
SOLUBILITY IN WATER	Part A: nil Part B: low, below 3%		
APPEARANCE AND ODOR	Part A: medium viscosity clear colored liquid Part B: medium viscosity brown colored liquid		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used) 7200°F Pinsky-Martins Closed Cup	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Foam, carbon dioxide, water mist			
SPECIAL FIRE FIGHTING PROCEDURES Fire fighters should be equipped with self contained breathing apparatus when fighting fires involving this material.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Carbon monoxide and carbon dioxide as well as nitrogen decomposition products may evolve when subjected to excessive heat and flame.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
 oral LD 50 (rat) (approx) >1000 - 3000 mg/Kg; dermal LD 50 (rabbit) (approx) > 3000 mg/Kg
 EFFECTS OF OVEREXPOSURE
 mild irritation

EMERGENCY AND FIRST AID PROCEDURES

Call a physician; inhalation: remove to fresh air; oxygen & artificial respiration if necessary; ingestion: give water or milk if conscious, induce vomiting; skin: remove contaminated clothing, work with soap and water; eyes: flush with water for at least 15 minutes

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID avoid high temperatures & moisture
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) strong oxidizing agents, moisture			
HAZARDOUS DECOMPOSITION PRODUCTS carbon monoxide and/or carbon dioxide, nitrogen oxides			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

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

Broadcast vermiculite or other absorbant material. Scoop up and discard. Flush contaminated area with water and detergent. Soak up spilled resin.

WASTE DISPOSAL METHOD

Burn in adequate incinerator or bury in approved landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) none usually necessary under most industrial operating conditions		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
good ventilation usually adequate		
PROTECTIVE GLOVES	EYE PROTECTION	
rubber or polyethylene	safety glasses w/side shields	
OTHER PROTECTIVE EQUIPMENT		
clean, long sleeve and long leg clothing		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 practice good housekeeping to avoid all skin contact & to avoid breathing vapors especially when the material is heated
 OTHER PRECAUTIONS
 Society of Plastics Industry, Class 2