

## (PRODUCT DISCONTINUED)

12/4/86		MATERIAL SAFETY DATA SHEET		Form Approved Bureau Budget No. 45-RD338		
SECTION I	MANUFACTURER'S NAME AND FSCM (Federal Supply Code for Manufacturers)			EMERGENCY PHONE NO.		
	THREE BOND OF AMERICA, INC.			(312) 320-3342		
	ADDRESS (Number, Street, City, State, and ZIP Code)			(PRODUCT DISCONTINUED)		
	20815 HIGGINS COURT, TORRANCE, CA 90501					
	CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS			
	Methacrylate Ester		TB1363D (CV) Anaerobic Thread Sealant			
	CHEMICAL FAMILY		FORMULA			
SECTION II - HAZARDOUS INGREDIENTS	FEDERAL STOCK NUMBER (FSN)		GROSS WEIGHT (LBS)		OUTSIDE PACKAGE DIMENSIONS (Inches)	
	MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STD 704M SIGNAL					
	FLAMMABILITY <u>Combustible</u> HEALTH _____ REACTIVITY _____ SPECIFIC HAZARD _____					
	PAINTS, PRESERVATIVES, AND SOLVENTS	%	THRESHOLD LIMIT VALUE (Units)	ALLOYS AND METALLIC COATINGS	%	THRESHOLD LIMIT VALUE (Units)
	PIGMENTS			BASE METAL		
	CATALYST			ALLOYS		
	VEHICLE			METALLIC COATINGS		
SECTION III - PHYSICAL DATA	SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
	ADDITIVES			OTHERS		
	OTHERS					
	HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	THRESHOLD LIMIT VALUE (Units)
	Mixture					
	Ethoxylated Bisphenol Dimethylacrylate (24448-20-2)				70	
	Aliphatic Ester Plasticizer (117-81-7)				28	
SECTION IV - FIRE AND EXPLOSION HAZARD DATA	Tertiary Amine (635-46-1)				1	
	Catalyst (80-15-9)				1	
	BOILING POINT (°F.)	410°F/215°C		SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.110C 25°C	
	VAPOR PRESSURE (mm Hg.)	N/D		PERCENT VOLATILE BY VOLUME (%)	0.5	
	VAPOR DENSITY (AIR=1)	Heavier than Air		EVAPORATION RATE (_____ = 1)	Slower than Ether	
	SOLUBILITY IN WATER	Insoluble				
	APPEARANCE AND ODOR					
Mild odor						
SECTION IV - FIRE AND EXPLOSION HAZARD DATA	FLASH POINT (Method used)		FLAMMABLE LIMITS	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT	
	150°C pmcc			N/D	N/D	
	EXTINGUISHING MEDIA Foam CO <sub>2</sub> and dry chemical. Use water spray to keep fire exposed container cool.					
	SPECIAL FIRE FIGHTING PROCEDURES Self-contained respiratory protection should be provided for fire fighters in buildings or confined area where product is stored.					
UNUSUAL FIRE AND EXPLOSION HAZARDS At high temperatures, product may polymerize. Polymerization is highly exothermic reaction and may produce sufficient heat to cause thermal decomposition and/or rupture of the container. Thermal decomposition can lead to the evolution of irritant vapors or gases and/or fire.						

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SECTION V HEALTH HAZARD DATA	THRESHOLD LIMIT VALUE			
	EFFECTS OF OVEREXPOSURE INHALATION: A slight irritant of the respirator tract. May produce chest pains, dryness of mouth, dizziness and headaches. SKIN CONTACT: Mildly irritating to skin. May be a sensitizer. EYE CONTACT: Mildly irritating to eyes. INGESTION: May be slightly toxic.			
	EMERGENCY AND FIRST AID PROCEDURES Object is to seek medical attention immediately. EYES: Immediately flush eyes with plenty of water for 15 minutes. SKIN: Wash with plenty of soap and water. INHALATION: Get person out of contaminated area to fresh air. Oxygen may administered. INGESTION: If swallowed, DO NOT induce vomiting. If vomiting occurs spontaneously, position individual's head to keep airway clear.			
SECTION VI REACTIVITY DATA	STABILITY	UNSTABLE		CONDITIONS TO AVOID
				Heat, contamination, sunlight, ultra violet
		STABLE	X	or ionizing radiation.
	INCOMPATIBILITY (Materials to avoid)			
	Organic peroxide, trace metals, alkalies			
SECTION VII SPILL OR LEAK PROCEDURES	HAZARDOUS DECOMPOSITION PRODUCTS			
	Carbon monoxide			
	HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID Direct heating, dirt or chemical contamination, sunlight, ultra violet or ionizing radiation.
		WILL NOT OCCUR	X	Where it is required to warm multifunctional acrylate esters, a controlled temperature not exceeding 113°F
SECTION VIII - SPECIAL PROTECTION INFORMATION	may be used for limited periods.			
	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Leaks should be stopped. Spills should be cleaned up immediately. Spills should be contained and soaked up with absorbent materials, sand, earth, sawdust, or activated charcoal and should be placed in closed container, labeled and stored in safe place out of doors to await proper disposal. Persons performing this work should wear adequate personal protective equipment and clothing.			
	WASTE DISPOSAL METHOD:			
	Dispose in accordance with all Federal, State and Local Health and pollution requirements.			
	RESPIRATORY PROTECTION (Specify type) Self-contained breathing apparatus, positive-pressure nose mask, air-line mask.			
SECTION IX SPECIAL PRECAUTIONS	VENTILATION	LOCAL EXHAUST	SPECIAL	
		Required		
		MECHANICAL (General)	OTHER	
	PROTECTIVE GLOVES Polyethylene, PVC gloves with frequent disposal.		EYE PROTECTION	
			Chemical splash goggles	
SECTION X TRANS. DATA	OTHER PROTECTIVE EQUIPMENT			
	PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING			
	Product may congeal or stratify if cold. Allow to warm to room temperature and mix well before using. Storage must be in cool, shaded, well ventilated and dry area.			
	OTHER PRECAUTIONS			
	WARNING: Causes irritation			
SECTION X TRANS. DATA	PROPER SHIPPING (Article) NAME			DOT CLASSIFICATION
	DOT LABEL	DOT MARKING	EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES	
	DOT PLACARD	PRECAUTIONS TO BE TAKEN IN TRANSPORTATION		