

**INKTECH INTERNATIONAL CORP.**  
**160 Fenmar Drive**  
**Toronto, Ontario M9L 1M6**

## MATERIAL SAFETY DATA SHEET

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### SECTION I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: **ULTRABOND BF**

PRODUCT USE: UV CURABLE SCREEN PRINTING INK

EMERGENCY TELEPHONE NO: (613)996-6666

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### SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES & ROUTE)	LC50 (SPECIFY SPECIES)
ACRYLATE ESTER	15-40	48145-04-6	NOT AVAILABLE	NOT AVAILABLE
ACRYLATE ESTER	5-10	MIXTURE	NOT AVAILABLE	NOT AVAILABLE
ACRYLATE ESTER	3-7	MIXTURE	NOT AVAILABLE	NOT AVAILABLE
KETONE INITIATORS	1-5	MIXTURE	NOT AVAILABLE	NOT AVAILABLE
AMINE SYNERGIST	3-7	00105-59-9	NOT AVAILABLE	NOT AVAILABLE
VINYL CARPROLACTAM	5-10	2235-00-9	NOT AVAILABLE	NOT AVAILABLE
RESIN	40-60	TRADE SECRET		

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### SECTION III - PHYSICAL DATA

PHYSICAL STATE LIQUID	ODOUR AND APPEARANCE VARIOUS COLOURS, MILD ODOUR	ODOUR THRESHOLD (PPM) NOT AVAILABLE	
VAPOUR PRESSURE (mmHg) < 1	VAPOUR DENSITY (Air = 1) HEAVIER THAN AIR	EVAPORATION RATE NOT AVAILABLE	BOILING PT (°C) > 150°C
FREEZING PT. (°C) NOT AVAILABLE	SPECIFIC GRAVITY 0.9-1.06	COEFFI. WATER/ OIL DIST. NOT AVAILABLE	PH NOT AVAILABLE

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### SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY

YES  NO  IF YES, UNDER WHICH CONDITION? • OSHA CLASS 111B

MEANS OF EXTINGUISHION: CLASS B FIRE EXTINGUISHER, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.

FLASH PT (°C) AND METHOD > 93.3°C (200°F) CLOSE CUP	UPPER FLAMMABLE LIMIT (% By Volume) NOT AVAILABLE	LOWER FLAMMABLE LIMIT (% By Volume) NOT AVAILABLE
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AUTOIGNITION TEMP. (°C) NOT AVAILABLE      HAZARDOUS COMBUSTION PRODUCTS

EXPLOSION DATA •	SENSITIVITY TO IMPACT NOT AVAILABLE	SENSITIVITY TO STATIC DISCHARGE NOT AVAILABLE
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### SECTION V - REACTIVITY DATA

CHEMICAL STABILITY

YES  NO  IF NO, UNDER WHICH CONDITIONS? IF EXPOSED TO MATERIALS AND CONDITIONS TO BE AVOIDED. SEE FOLLOWING.

INCOMPATIBILITY WITH OTHER SUBSTANCES

YES  NO  IF SO, WHICH ONES? STRONG ACIDS, OXIDIZERS, ALKALI METAL HYDROXIDES, POLYMERIZATION INITIATORS, PEROXIDES, PRIMARY AND SECONDARY AMINES.

REACTIVITY, AND UNDER WHAT CONDITIONS? NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, MIXED OXIDES OF NITROGEN, SULFUR AND METHACRYLATE MONOMERS

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## SECTION VI - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY  
SKIN CONTACT g      SKIN ABSORPTION g      EYE CONTACT g      INHALATION g      INGESTION g

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: INGESTION: MODERATELY TOXIC, SKIN: SLIGHTLY TOXIC,  
INHALATION: UNLIKELY DUE TO LOW VAPOR PRESURE.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT : MAY CAUSE SKIN SENSITIZATION, DERMATITIS.

EXPOSURE LIMITS NOT AVAILABLE	IRRITANCY OF PRODUCT AVOID SKIN AND EYE CONTACT	SENSITIZATION TO PRODUCTS AVOID REPEATED CONTACT WITH SKIN	CARCINOGENICITY NONE KNOWN
TERATOGENICITY NONE KNOWN	REPRODUCTIVE TOXICITY NONE KNOWN	MUTAGENICITY ONLY IN MOUSE LYMPHOMA ASSAY. NEGATIVE IN THE AMES TEST	SYNERGISTIC PRODUCTS NONE KNOWN

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## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVE (SPECIFY) NEOPRENE	RESPIRATOR (SPECIFY)	EYE (SPECIFY) CHEMICAL SPLASH GOGGLES
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY) CHEMICAL RESISTANT APRON	OTHERS (SPECIFY)

ENGINEERING CONTROLS (SPECIFY, E.G.:VENTILATION, ENCLOSED PROCESS)  
LOCAL EXHAUST AND GENERAL EXHAUST AS REQUIRED

LEAK AND SPILL PROCEDURE:  
CONTAIN DISCHARGE BY CONSTRUCTING BARRIERS (E.G. SAW DUST, INDUSTRIAL SWEEPING COMPOUND).

WASTE DISPOSAL :  
DISPOSE OF WASTE ONLY ON APPROVED TREATMENT FACILITY.

HANDLING PROCEDURES AND EQUIPMENT:  
GROUND AND BOND ALL EQUIPMENT AND CONTAINERS. USE SPARK RESISTANT TOOLS. SMOKING OR EATING SHOULD NOT BE ALLOWED BEFORE WASHING HANDS.

STORAGE EQUIPMENT:  
STORE IN COOL, VENTILATED AREA. KEEP AWAY FROM HEAT, SPARKS, AND OTHER SOURCES OF IGNITION.

SPECIAL SHIPPING INFORMATION:  
REFER TO LOCAL OR FEDERAL REGULATION

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## SECTION VIII - FIRST AID MEASURES

SPECIFIC MEASURES:

EYE:            WASH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL AID.

SKIN:           IMMEDIATELY WASH THE AFFECTED AREAS WITH PLENTY OF SOAP AND WATER. GET MEDICAL AID IF SYMPTOMS PERSIST. REMOVE CONTAMINATED CLOTHING.

INGESTION:    GIVE TWO GLASSES OF WATER TO DRINK IF PATIENT IS CONSCIOUS. DO NOT INDUCE VOMITING. GET MEDICAL AID IMMEDIATELY.

INHALATION:   MOVE PATIENT TO FRESH AIR. RESTORE BREATHING IF NECESSARY. KEEP PATIENT WARM AND QUIET AND GET MEDICAL AID.

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## SECTION IX - PREPARATION DATE OF MSDS

PREPARED BY:  
TECHNICAL DEPARTMENT

PHONE NUMBER  
(416) 743-4111

DATE  
1/2/2008

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