

**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: **TF-1800 THINNER**

PRODUCT USE: UV INK VISCOSITY REDUCER

EMERGENCY TELEPHONE NO: (613)996-6666

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### SECTION II - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | CAS NUMBER | RECOMMENDED EXPOSURE<br>LIMIT (ppm) | VAPOR PRESSURE<br>(mm Hg @ 20 °C) |
|-----------------------|------------|-------------------------------------|-----------------------------------|
| ACRYLATED ESTER       | 48145-04-8 | NOT ESTABLISHED                     | NE <1                             |

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### SECTION III - PHYSICAL DATA

|                                    |  |   |                          |
|------------------------------------|--|---|--------------------------|
| PHYSICAL STATE<br>LIQUID           | ODOUR AND APPEARANCE<br>CLEAR LIQUID WITH MILD ODOUR | ODOUR THRESHOLD (PPM)<br>NOT AVAILABLE    |                          |
| VAPOUR PRESSURE<br>(mmHg) < 1      | VAPOUR DENSITY<br>(Air = 1) HEAVIER THAN AIR         | EVAPORATION RATE<br>NOT AVAILABLE         | BOILING PT (°C)<br>> 150 |
| FREEZING PT. (°C)<br>NOT AVAILABLE | SPECIFIC GRAVITY<br>1.0                              | COEFFI. WATER/ OIL DIST.<br>NOT AVAILABLE | VOC<br>NONE              |

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### SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY

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

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

|  |  |  |
|--|--|--|
| FLASH PT (°C) AND METHOD<br>> 93.3°C (200°F) CLOSE CUP | UPPER FLAMMABLE LIMIT<br>(% By Volume) UNKNOWN | LOWER FLAMMABLE LIMIT<br>(% By Volume) UNKNOWN |
|--|--|--|

|                                    |   |
|------------------------------------|---|
| AUTOIGNITION TEMP. (°C)<br>UNKNOWN | HAZARDOUS COMBUSTION PRODUCTS<br>OXIDES OF NITROGEN |
|------------------------------------|---|

|                  |  |  |
|------------------|--|--|
| EXPLOSION DATA • | SENSITIVITY TO IMPACT<br>NOT AVAILABLE | SENSITIVITY TO STATIC DISCHARGE<br>NOT AVAILABLE |
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### SECTION V - REACTIVITY DATA

CHEMICAL STABILITY

YES  NO  IF NO, UNDER WHICH CONDITIONS? THIS MATERIAL IS POTENTIALLY UNSTABLE AND HAZARD  
POLYMERIZATION MAY OCCUR IF EXPOSED TO MATERIALS AND CONDITIONS TO BE AVOIDED.

INCOMPATIBILITY WITH OTHER SUBSTANCES

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

REACTIVITY, AND UNDER WHAT CONDITIONS?

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

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PRODUCT NAME: **TF-1800 THINNER**

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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: MAY CAUSE IRRITATION OF MOUTH, THROAT, AND STOMACH IF SWALLOWED. EYE CONTACT MAY CAUSE MODERATE IRRITATION. SKIN CONTACT-SEVERE IRRITATION.

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

EXPOSURE LIMITS      IRRITANCY OF PRODUCT      SENSITIZATION TO PRODUCTS      CARCINOGENICITY  
NOT AVAILABLE      MAY CAUSE SEVERE SKIN IRRITATION      CAN BE SENSITIZING      AMES TEST-NEGATIVE

TERATOGENICITY      REPRODUCTIVE TOXICITY      MUTAGENICITY      SYNERGISTIC PRODUCTS  
NONE KNOWN      NONE KNOWN      NONE KNOWN      NONE KNOWN

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## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVE (SPECIFY)      RESPIRATOR (SPECIFY)      EYE (SPECIFY)  
NEOPRENE           CHEMICAL SPLASH GOGGLES

FOOTWEAR (SPECIFY)      CLOTHING (SPECIFY)      OTHERS (SPECIFY)  
      CHEMICAL RESISTANT APRON

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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