



## U.S. Material Safety Data Sheet

MSDS Number: <b>64</b> Rev. <b>A</b>	Date: <b>February 24, 2009</b>
Product Name: <b>IFC 100 Blue inkjet ink</b>	Page 1 of 4

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### Section 1: Identification of the Substance/Preparation and the Company/Undertaking

Product Identifier: **Blue ink for inkjet printing on food packages.**

Manufacturer: TRIDENT an ITW company  
1114 Federal Road  
Brookfield, CT 06804-1140  
USA

Email: [hq@trident-itw.com](mailto:hq@trident-itw.com)

Customer Information Number: +1 203-740-9333

Fax: +1 203-740-3528

Emergency : Call CHEMTREC 1-800-424-9300 United States/ International 1-703-527-3887.

### Section 2: Hazards Identification

**EMERGENCY OVERVIEW:** May be irritating to the eyes. Avoid contact with the eyes and skin.

**HAZARD RATING**      **NFPA**    Health: 0      Flammability: 2      Reactivity: 0

Product Classification:

US OSHA: Eye irritant

Potential Health Affects:

Eye Contact: May cause eye irritation.

Skin Contact: No evidence of harmful effects from available material.

INGESTION: No evidence of harmful health effects from available information.

INHALATION: Short term harmful health effects are not expected from vapor generated at ambient temperatures.

CHRONIC      No adverse chronic health effects are expected from anticipated conditions of normal use.

### Section 3: Composition Information

Components	CAS Number	Weight %
Dipropylene glycol methyl ether	34590-94-8	30-60
Propylene Glycol	57-55-6	10-40
Polyethylene Glycol	2522-68-3	10-40
FD& C Blue #1	proprietary	>7

Section 3: potential health effects. Section 11: available toxicity information. Section 15: regulatory information.

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<b>Section 4: Emergency First Aid Measures</b>
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EYE CONTACT:	Rinse with cool water, remove contact lenses, resume flushing with water for 15 min.
SKIN CONTACT:	Wash thoroughly with soap and water. Remove contaminated clothing and laundry before reuse.
INGESTION:	Never give anything orally to a patient who is losing consciousness, unconscious, or convulsing. If patient is conscious, give 2 glasses of water. Seek medical advice. Do not induce vomiting.
INHALATION	Remove to fresh air. For breathing difficulty, give oxygen. In any case of persistent irritation, seek medical advice.

<b>Section 5: Fire Fighting Measures</b>
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FLASHPOINT AND METHOD:	>75°C [167°C] estimated
FLAMMABLE LIMITS:	None established
AUTOIGNITION:	No data available
EXTINGUISHING MEDIA:	CO <sub>2</sub> or Dry Chemical for small fires, Alcohol-type or Polymeric foam for large fires. .
SPECIAL FIRE FIGHTING PROCEDURES:	Use self-contained breathing apparatus and protective clothing. Do not spray directly on burning pools.
UNUSUAL FIRE & EXPLOSION HAZARDS:	A solid stream of water into hot burning liquid could cause frothing.
HAZARDOUS DECOMPOSITION PRODUCTS:	

<b>Section 6: Accidental Release Measures</b>
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GENERAL	All waste disposal must be in compliance with local state federal and international regulations.
SPILL:	Eliminate all sources of ignition. Prevent entry into waterways basement or confined areas. Absorb with dry earth, sand or other non combustible materials.

<b>Section 7: Handling And Storage</b>
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Avoid contact with skin and eyes. Keep containers closed. Store in a cool, dry, well ventilated place. Keep from freezing. Use this product promptly, after opening. Avoid prolonged exposure to heat and air.

<b>Section 8: Exposure Controls &amp; Personal Protection</b>
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ENGINEERING CONTROLS (ventilation):	Local exhaust in addition to general room ventilation may be required to meet exposure limits.
PERSONAL PROTECTION:	
Inhalation	If exposure exceeds the occupational limits use approved respiratory protection equipment.
Skin	Wear chemical resistant gloves such as butyl rubber or nitrile rubber
Eye protection:	Safety Glasses or goggles. Use splash goggles when eye contact due to splashing or spraying liquid is possible
Other	Emergency eye wash fountains and safety showers should be available nearby

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<b>Section 9: Physical &amp; Chemical Properties</b>
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APPEARANCE: Blue colored liquid with a mild odor.  
 VAPOR PRESSURE: ~ 0.4 mm Hg      EVAPORATION RATE: (n-butyl acetate = 1) -0.02  
 VISCOSITY: 20-25 cps @ 25°C      VAPOR DENSITY: >1  
 Surface Tension: 34-40 dynes/cm      BOILING POINT: ~180°C (356°F). estimated  
 FREEZING/MELTING POINT: ~ -80 °C [-112°F] estimated

<b>Section 10: Stability &amp; Reactivity</b>
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STABILITY: stable      HAZARDOUS POLYMERIZATION will not occur.  
 CONDITIONS TO AVOID: N.A.  
 INCOMPATIBILITY: Alkalis, acids and strong oxidizing agents.  
 HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen

<b>Section 11: Toxicological Information</b>
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ACUTE TOXICITY: Not Tested  
 SUBCHRONIC EFFECTS: Not Tested.  
 CHRONIC EFFECTS/CARCINOGENICITY: This product has not been tested for chronic effects.  
  
 Mutagenicity: Not Tested  
 Reproductive Effects: Not Tested .

<b>Section 12: Ecological Information</b>
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ECOTOXICOLOGICAL INFORMATION: No data available  
 CHEMICAL FATE INFORMATION: No data available

<b>Section 13: Disposal Considerations</b>
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Dispose of according to appropriate local, regional and national laws or regulations. Do not reuse empty containers.

<b>Section 14: Transport Information:</b>
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GROUND TRANSPORT:	not regulated by USDOT when shipped in packages of 119 gallons or less
Proper Shipping ether)	Combustible liquid (contains dipropylene glycol methyl
UN/NA ID	NA 1993
Labels	Combustible liquid
DOT Hazard Class	Combustible liquid, PG 111
IMDG Hazard Class	Not Regulated
ICAO/IATA Hazard Class	Not Regulated
ADNR/VBG Hazard Class	Not Regulated

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<b>Section 15: Regulatory Information</b>
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Regulatory Advisory: No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

TSCA (Toxic Substances Control Act): This product is listed on TSCA.

CERCLA (Comprehensive Environmental Response Compensation Act of 1980) requires notification of National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40CFR302.4.

Components that could require reporting: NONE

SARA Title III (1986)[40CFR355]  
 Components present that require emergency planning based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs)..... NONE

SARA Title III (1986)[40CFR372]  
 Components present requiring submission of annual reports of toxic chemical releases.  
 None

CAAA -components in this material listed on the Clean Air Act Amendment of 1990: ethylene glycol - 1%

**STATE RIGHT TO KNOW**

Massachusetts Substances List (MSL)  
 Components with Cas Numbers in this material at a level which could require reporting under the statute are:

Dipropylene glycol methyl ether ..... CAS # 34590-94-8

Pennsylvania

Components with CAS Numbers in this material at a level which could require reporting under the statute are:

Dipropylene glycol methyl ether ..... CAS # 34590-94-8

<b>Section 16: Other Information.</b>
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New MSDS

HMIS Rating

Health	0
Flammability	2
Reactivity	0

The data in this Material safety data sheet relates only to the specific material designated and does not relate to use in combination with other material. The information and recommendations contained in this document are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.