

F-1 Inks

SAFETY DATA SHEET

GATEWAY GRAPHICS & RUBBER STAMPS INC.



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SECTION 1

MATERIAL NAME / IDENTIFIER

F-1 Inks

WHMIS:D2B

Manufacturer:

GATEWAY GRAPHICS & RUBBER STAMPS INC., 2001 Albion Road, Units 17-20, Toronto, Ontario M9W 6V6

Emergency Telephone:

Canutec (613) 996-6666 (Collect)

Chemical Name:

Not applicable

Chemical Family:

Not applicable

Chemical Formula:

Proprietary Blend

Trade Name & Synonyms:

Not applicable

Molecular Weight:

Not applicable

Material Use:

Marking Ink

SECTION 2

HAZARDS IDENTIFICATION

GHS classification:

H302 Acute Toxicity, Oral, Category 4, H319 Serious eye damage/eye irritation, Category 2A

Symbol(s)



Signal Word

Warning

Hazard statements

Harmful if swallowed. Causes serious eye irritation.

Precautionary statements

Do not ingest. If swallowed, drink 2 or 3 glasses of water and seek immediate medical attention.

Avoid skin and eye contact. If in eyes, flush with copious amounts of water for 15 minutes, and seek medical attention.

Wear gloves and safety glasses when handling. Use in a well ventilated area.

SECTION 3

COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient

CAS#

% Concentration

Diethylene Glycol

111-46-6

30 – 60

Ethylene Glycol Mono Butyl Ether

111-76-2

15 - 40

SECTION 4

FIRST AID MEASURES

Inhalation:

Remove person to fresh air. If breathing is difficult seek medical attention.

Skin Contact:

Wash thoroughly with soap and water.

Eye Contact:

Flush eyes with copious amounts of water for 15 minutes. Seek medical attention if irritation persists.

Ingestion:

Drink 2 or 3 glasses of water. Do not induce vomiting. Contact a physician immediately.

Note to physicians

None

SECTION 5

FIRE – FIGHTING MEASURES

Hazardous Combustion Products:

CO, CO2, smoke

Unusual Fire or Explosion Hazards:

None known

Sensitivity to Mechanical Impact:

None

Rate of Burning:

Not available

Explosive Power:

Not available

Sensitivity to Static Discharge:

Yes, if Ethylene Glycol Mono Butyl Ether vapours are present between 1.1 and 10.6%

Fire Extinguishing Media:

Dry chemical, foam, CO2.

Instructions to the Fire Fighters:

See below

Fire Fighting Protective Equipment:

Wear self-contained breathing apparatus when firefighting.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedure:

Absorb with synthetic or natural absorbent and dispose in a clean, dry, and labelled metal container.

SECTION 7

HANDLING AND STORAGE

HANDLING

Handling Practices:

Avoid skin and eye contact. Wear gloves and safety glasses when handling. Wash hands thoroughly after use.

Ventilation Requirements:

Use in a well ventilated area.

STORAGE

Ventilation Requirements:

Store in a cool, dry area.

Storage Requirements:

Do not store near oxidizing compounds, caustics, or acids. Keep containers tightly closed when not in use.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Engineering Controls:

Use in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Skin (Specify):

Latex or rubber gloves if skin contact is likely.

Eye (Specify):

Safety glasses/goggles if eye contact is likely.

Respiratory (Specify):

None under normal conditions. Organic vapour respirator with high concentrations of Ethylene Glycol Mono Butyl Ether and/or Diethylene Glycol.

Other (Specify):

Safety shower and eye wash stations close to work area.

SECTION 9**PHYSICAL DATA FOR MATERIAL**

Physical State:	Gas	Liquid	<u>X</u>	Solid
Odour & Appearance:	Coloured practically odourless			
Odour Threshold (ppm):	Not available			
Flammability:	Yes	<u>X</u>	No	
If Yes, Under Which Conditions?:	Source of ignition			
Auto Ignition Temperature (Celsius):	Not available			
Lower Explosion Limit (% By Volume):	Not available			
Specific Gravity:	1.04			
Vapour Pressure (mm):	Not available			
Flashpoint (°C):	94°C			
Boiling Point (°C):	100°C			
Solubility In Water (20°C):	miscible			
PH:	2.8 - 7.5			
				Upper Explosion Limit (% By Volume):
				Decomposition Temp @
				Viscosity:
				Vapour Density (Air-1):
				Evaporation Rate
				Freezing Point (°C):
				% Volatile (By Weight)
				Coefficient Of Water?Oil Distribution:

SECTION 10**STABILITY AND REACTIVITY**

Chemical Stability:	Yes	X	No
If No, Under Which Conditions?:			
Incompatibility To Other Substances:	Yes	X	No
If So, Which Ones:	Oxidizing compounds, caustics and acids.		
Conditions to Avoid:	None under normal conditions.		
Hazardous Decomposition Products:	Burning may produce carbon monoxide and carbon dioxide.		

SECTION 11**TOXICOLOGICAL INFORMATION****ACUTE HEALTH EFFECTS**

Inhalation:	None expected at ambient temperatures.
Skin Contact:	Prolonged contact may cause irritation and dermatitis.
Eye Contact:	Severe eye irritant.
Ingestion:	Harmful if swallowed. May cause pain or discomfort in the abdomen, pain in the lumbar region, nausea, vomiting, dizziness, decreased urine production, malaise and loss of consciousness. Severe kidney damage may occur which can be fatal if not promptly and adequately treated. Liver injury may also occur.
CHRONIC HEALTH EFFECTS:	Prolonged exposure to Diethylene Glycol vapours may cause injury to lungs, liver and kidneys. Also Diethylene Glycol vapours can cause headache, dizziness, nausea and central nervous system depression.
Other Health Effects:	This product contains: Ethylene Glycol Mono Butyl Ether – Animal studies have shown that this ingredient is a hemolytic agent characterized by a reduction in blood cells and blood in the urine. Ethylene Glycol Mono Butyl Ether has been found to produce toxic effects in pregnant rats at about 200ppm with no apparent increase in congenital defects among the young.

LD 50 of Material (Specify Species and Routes): Ethylene Glycol Mono Butyl Ether (15-40%): 1600–3668 mg/kg, Oral,
Rat, Diethylene Glycol (30-60%): 31.4 g/kg, Oral, Rat

LC 50 of Material (Specify Species and Routes): Ethylene Glycol Mono Butyl Ether (15-40%): 1800 ppm, 4hr, Inhal,
Rat

Exposure (Limits):	Ethylene Glycol Mono Butyl Ether (skin): TWAEV: 25 ppm/120 mg/m3
Irritancy of Material:	Skin, eye irritant
Sensitization of Material:	None known
Synergistic Materials:	None known
Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity:	None known

SECTION 12

Ecotoxicity	Not available
Environmental Fate	
Biodegradability:	Not available
Bioaccumulative Potential:	Not available
Mobility In Soil:	Not available

SECTION 13**DISPOSAL CONSIDERATIONS**

Waste Disposal:	Dispose absorbed material in compliance with all federal, provincial and local government regulations.
Safe Handling of Residues:	Flush residues with copious amounts of water and dispose in compliance with all federal, provincial and local government regulations.
Disposal of Packaging:	Dispose empty packaging in compliance with all federal, provincial and local government regulations.

SECTION 14**TRANSPORTATION INFORMATION****CANADIAN TDG ACT SHIPPING DESCRIPTION: Not regulated**

Proper shipping name:	Not applicable	Class:	Not applicable
Packing group:	Not applicable	UN:	Not applicable

US DOT CLASSIFICATION (49CFR 172.101, 172.102): Not regulated

Proper shipping name:	Not applicable	Class:	Not applicable
Packing group:	Not applicable	UN:	Not applicable

SECTION 15**REGULATORY INFORMATION****CANADA**

WHMIS:	D2B	USA	Not available	INTERNATIONAL	Not available
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SECTION 16**OTHER INFORMATION**

Prepared By (Group, Department, Etc.):	Quality Control	Telephone:(416) 674-2552
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Additional Notes Or References:

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