



## SAFETY DATA SHEET

### Green general-purpose ink 1024

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**PRODUCT NAME:** Green general-purpose ink 1024

**PART No.:** 1024

**APPLICATIONS:** Ink for Linx® CIJ printers

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#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	CONTENTS	HEALTH (class)	RISK (R No.)
BUTANONE	78-93-3	60-100 %	Xi	36, 66, 67
ETHANOL	64-17-5	5-10 %		
CELLULOSE NITRATE <=12.6% NITROGEN		5-10 %		
QUATERNARY AMMONIUM ETHOXYLATE NOS		5-10 %	Xn	22, 36/38
n-PROPYL ACETATE	109-60-4	5-10 %	Xi	
PROPAN-2-OL	67-63-0	1-5 %	Xi	36, 67
METHANOL	67-56-1	0-1 %	T	23/24/25, 39/23/24/25

**COMPOSITION COMMENTS:** A mixture of colourants, resins, additives, and solvents.

#### 3 HAZARDS IDENTIFICATION

Highly

#### 4 FIRST AID MEASURES

**GENERAL:** Get medical attention if any discomfort continues. Do not give victim anything to drink if he is unconscious.

**INHALATION:** Move the exposed person to fresh air at once. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

DO  
Remove

**EYES:**



Fire

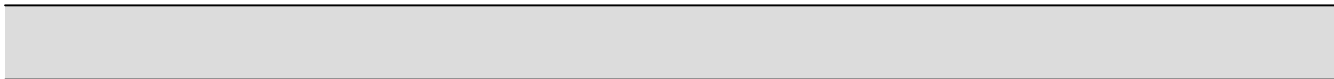
**SPECIAL FIRE FIGHTING PROCEDURES:**

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

HIGHLY FLAMMABLE! Vapours may form explosive mixture with air at room temperature. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.



Extinguish



Keep  
Flammable/combustible  
Flammable

**8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	(15 min)
ETHANOL				300
n-PROPYL ACETATE	109-60-4			250
PROPAN-2-OL	67-63-0			500
METHANOL	67-56-1			250

OES



**VENTILATION:**

Provide adequate general and local exhaust ventilation.  
No  
Protective  
Wear  
Wear

**HYGIENIC WORK ROUTINES:**

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Mobile. Liquid.

**COLOUR:**

Characteristic.

**SOLUBILITY DESCRIPTION:**

Partially soluble in water.

ca.80

**MELTING POINT (°C):**

ca.-86

**SPECIFIC GRAVITY (Water=1):**

0.85 - 0.90 @ 20 °C

ca.2.4

**VAPOUR PRESSURE:**

ca.78mmHg @ 20 °C

**VOLATILITY DESCRIPTION:**

Highly volatile.

**EVAPORATION RATE:**

>BuAc(BuAc=1)

**pH-VALUE, CONC:**

N/A

**VISCOSITY:**

2 - 5 mPas @ 25 °C

**FLASH POINT (°C):**

ca.-6

**FLASH POINT METHOD:**

CC (Closed cup).

**AUTO IGNITION TEMPERATURE (°C):**

ca.515

**FLAMMABILITY LIMIT (lower %):**

ca. 1.8 (%v/v)

**FLAMMABILITY LIMIT (upper %):**

ca. 11.5 (%v/v)

## 10 STABILITY AND REACTIVITY

**STABILITY:**

No particular stability concerns.

**CONDITIONS TO AVOID:**

Avoid heat. Avoid contact with oxidisers or reducing agents. Avoid contact with acids and alkalis.

**HAZARDOUS POLYMERIZATION:**

Will not polymerize.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Fire creates: Asphyxiating gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>).

## 11 TOXICOLOGICAL INFORMATION

**INHALATION:**

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Drowsiness, dizziness, disorientation, vertigo.

**INGESTION:**

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Nausea, vomiting. Diarrhoea.

**SKIN:**

Product has a defatting effect on skin.

**EYES:**

May cause severe irritation to eyes. Vapour or spray may cause temporary (reversible) eye damage.

## 12 ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:**

Not known.

## 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:**

Dispose of in accordance with Local Authority requirements. Absorb in vermiculite or dry sand, dispose in licensed special waste. Make sure containers are empty before discarding (explosion risk).

## 14 TRANSPORT INFORMATION

**LABEL FOR CONVEYANCE:**



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**ROAD:**

<b>UN No:</b>	1210	<b>ADR CLASS No:</b>	3
<b>HAZARD CLASS (ADR):</b>	Class 3: Flammable liquids.	<b>HAZARD No. (ADR):</b>	30
<b>ADR ITEM No:</b>	5°(b)	<b>ADR LABEL No:</b>	3
<b>MARGINAL:</b>	2301	<b>CEFIC TEC(R) No:</b>	30G30
<b>HAZCHEM CODE:</b>	3YE		
<b>PROPER SHIPPING NAME I:</b>	PRINTING INK		

**RAIL:**

<b>RAIL TRANSPORT CLASS No:</b>	3	<b>RAILROAD PT:</b>	5°(b)
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**SEA:**

<b>UN SEA:</b>	1210	<b>SEA TRANSPORT CLASS No:</b>	3.2
<b>IMDG Page No:</b>	3272-1	<b>SEA PACK GR:</b>	II
<b>EmS No.:</b>	3-05	<b>MFAG Table No:</b>	311
<b>MARINE POLLUTANT:</b>	No.		

**AIR:**

<b>UN AIR:</b>	1210	<b>AIR TRANSPORT CLASS No:</b>	3
<b>AIR PACK GR:</b>	II		

### 15 REGULATORY INFORMATION

**LABEL FOR SUPPLY:**

**HIGHLY FLAMMABLE**

**IRRITANT**

<b>RISK PHRASES:</b>	R-11	Highly flammable.
	R-36	Irritating to eyes.
	R-66	Repeated exposure may cause skin dryness or cracking.
	R-67	Vapours may cause drowsiness and dizziness.

<b>SAFETY PHRASES:</b>	S-9	Keep container in a well ventilated place.
	S-16	Keep away from sources of ignition - No Smoking.
	S-25	Avoid contact with eyes.
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S-37	Wear suitable gloves.
	S-51	Use only in well ventilated areas.
	S-60	This material and its container must be disposed of as hazardous waste.

**UK REGULATORY REFERENCES:** Classification, Packaging and Labelling Regulations 1984.  
The Control of Substances Hazardous to Health Regulations 1988.  
Chemicals (Hazard Information & Packaging) Regulations 1993.

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations.  
Control of Substances Hazardous to Health.



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**APPROVED CODE OF PRACTICE:** Classification and Labelling of Substances and Preparations Dangerous for Supply.  
Safety Data Sheets for Substances and Preparations L62.

**GUIDANCE NOTES:** Occupational Exposure Limits EH40.  
Introduction to Local Exhaust Ventilation HS(G)37.  
CHIP for everyone HSG(108).

### 16 OTHER INFORMATION

**INFORMATION SOURCES:** Dangerous Properties of Industrial Materials Report, N.Sax et.al.  
Croner's: Dangerous Substances.  
Material Safety Data Sheet, Misc. manufacturers.

**REVISION COMMENTS:** Initial issue on new system

**ISSUED BY:** Paul Doody

**REVISION DATE:** 01 July 2000

**REVISION No. /REPLACES SDS ISSUED:** Initial Issue

**SDS No.:** MP80014

#### DISCLAIMER

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