

**21016-XXXX**

<b>SAFETY DATA SHEET</b>		According to EC Directive 91/155/EEC	page. 1/3
<b>Trade name: #4100 LE PEN DRAWING INK #01 BLACK</b>			
Serial No.	120228-01	Revision Date	Feb.28.2012
Version	1.0	Print Date	Feb.28.2012

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

Identification of the product

Product name : #4100 LE PEN DRAWING INK #01 BLACK

Company/undertaking identification

Company Uchida of America, Corp.  
3535 Del Amo Blvd., Torrance, CA 90503

Telephone 310-793-2200

Telefax 310-793-2210

Use of the substance/preparation

: For markers.

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	Content (wt%)
C. I. Pigment Black 7	5.0 to 10.0
Isopropyl alcohol	0.0 to 2.0
Ethylene glycol	5.0 to 10.0
2-(2-Butoxyethoxy)ethanol	1.0 to 2.0
Glycerin	5.0 to 20.0
Nonionic Surfactant (Not contain Nonyl phenol)	3.0 to 8.0
Purified Water	residual part

**3. HAZARDS IDENTIFICATION**

Not applicable.

**4. FIRST AID MEASURES****Inhalation**

Using high-boiling ink, the vapor is low and damages by inhalation are substantially negligible.

**Skin contact**

Immediately rinse through with soap and water.

Stains of skin with these inks are somewhat difficult to remove.

So, attention may be paid not to stain the skin.

**Eye contact**

Immediately rinse the stained eye with plenty of water, and call on a physician.

**Ingestion**

They may be discarded the same as ordinary waste.

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media

Water spray, foam, powder, and carbon dioxide.

Specific hazards during fire fighting

**SAFETY DATA SHEET**According to EC Directive 91/155/EEC

page. 2/3

**Trade name: #4100 LE PEN DRAWING INK #01 BLACK**

Serial No. 120228-01

Revision Date

Feb.28.2012

Version 1.0

Print Date

Feb.28.2012

Owing too much water, these inks are not in flammable, but the evaporation residue is combustible.

Special protective equipment for fire fighters

Employ protective equipment commonly used in the event of fire.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions

Wear suitable clothing and gloves.

Environmental precautions

At room temperature, no volatile materials are present in these inks.

Methods for cleaning up

Wipe the material with cloth and wash water.

**7. HANDLING AND STORAGE**

Handling

Wear suitable protective clothing and gloves.

Storage

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up.

It is preferable to storage ink in a cool and well ventilated place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal protective equipment

At room temperature, no volatile materials are present in these inks.

Hand protection

protective gloves

Eye protection

safety glasses with side-shields

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance

Form liquid

Colour coloured

Odour weak

Safety data

pH value not available

Boiling point/range ca. 100°C

Solubility in water soluble

Density ca. 1.1 to 1.3 g/cm<sup>3</sup>

Volatile 40 to 60 %

**10. STABILITY AND REACTIVITY**

Materials to avoid

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up.

It is preferable to storage ink in a cool and well ventilated place.

Hazardous reactions

No.

**SAFETY DATA SHEET**According to EC Directive 91/155/EEC

page. 3/3

Trade name: **#4100 LE PEN DRAWING INK #01 BLACK**

Serial No. 120228-01

Revision Date

Feb.28.2012

Version 1.0

Print Date

Feb.28.2012

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

The main components of this ink are pigments, ethylene glycol, resins and several additives.

Nearly these pigments are believed to be non-toxic, but much ingestion of ethylene glycol causes some damage to kidney. It is oxidized in vivo into oxalic acid and water insoluble Ca-oxalate may be formed in kidney.

**12. ECOLOGICAL INFORMATION****Ecotoxic effects**

Quantitative data on the ecological effect of this product are not available.

**Further ecologic data**

Do not allow entrance in waters, wastewater, or soil.

**13. DISPOSAL CONSIDERATIONS****Product**

Disposal according to local authority regulations.

**Packaging**

Disposal according to local authority regulations.

**14. TRANSPORT INFORMATION**

Not available.

**15. REGULATORY INFORMATION**

Not available.

**16. OTHER INFORMATION**

Keep out reach of baby or children.

For further information, please contact us.