

**MATERIAL SAFETY DATA SHEET**

[ MSDS NO. LIQUID-HIGHLIGHTER-0705-PAP ]

**PRODUCT :**

Artline LIQUID HIGHLIGHTER (EK-640)  
 FLUORO.YELLOW, FLUORO.ORANGE, FLUORO.PINK,  
 FLUORO.GREEN, FLUORO.RED,LIGHT BLUE

**Issue Date** 6 May,2011

**IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name :** Artline LIQUID HIGHLIGHTER (EK-640)  
 FLUORO.YELLOW, FLUORO.ORANGE, FLUORO.PINK,  
 FLUORO.GREEN, FLUORO.RED,LIGHT BLUE

**Other Names :** Water based marker

**Recommended Use :** Water based marker

**Supplier name/address/telephone no./Emergency phone number****[ JAPAN ]**

**SUPPLIER NAME :** Shachihata Inc.  
**ADDRESS :** 4-69,Amazuka-cho,Nishi-ku,Nagoya,451-0021,Japan  
**TELEPHONE NO.:** ++ 81 52 521 3600  
**FAX NUMBER :** ++ 81 52 521 3899

**[ AUSTRALIA ]**

**AGENT :** Pelikan Artline Pty Limited  
**ABN** 51 084 958 556  
**ADDRESS :** 2 Coronation Avenue,Kings Park,  
 Blacktown Business Centre NSW 2148  
**TELEPHONE NO.:** 02-9674-0900  
**FAX NO. :** 02-9674-0910  
**EMERGENCY PHONE NUMBER :** 02-9674-0900 or Mobile: 0419-206-163

**HAZARDS IDENTIFICATION**

Not classified as Hazardous according to the criteria of Worksafe Australia

**COMPOSITION / INFORMATION ON INGREDIENTS (INK)**

Substance / Mixture Mixture

Hazardous Ingredients

No hazardous ingredients are known at this time.

(Main materials for Highlighter ink are composed of Pigment,Glycerin and additive,etc)

**FIRST AID MEASURES**

**EYE CONTACT :** Wash eyes with plenty of water.If irritation develops,seek medical advice.

**SKIN CONTACT :** Wash with soap and water.

**INHALATION :** Intake of fresh air.

**Ingestion :** Induce vomiting.In case of remaining sickness,seek medical advice.

**FIRST AID FACILITIES :** No Data

**FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media :** Water or non-flammable

## ACCIDENTAL RELEASE MEASURES

Person related precautions : Avoid inhalation and eye contact.

Environmental precautions : Do not empty into drains and waters, surface water and ground water.

Waste disposal method : Dispose of all wastes in accordance with Federal, States & Local regulations.

## HANDLING AND STORAGE

Handling : Close container well after use and keep it at room temperature.  
Use in the well ventilated areas.

Storage : Don't expose to direct sunlight for safekeeping.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMIT VALUES** No data available

**EXPOSURE CONTROL PARAMETERS :** No data available

**PERSONAL PROTECTION:** Not required.

**ENGINEERING CONTROLS :** Not required.

## PHYSICAL AND CHEMICAL PROPERTIES (INK)

Appearance

Physical state

Liquid

Odor

Almost odorless

Boiling Point / Boiling Range

>100°C

Flash Point

Not applicable

pH

5.5~7.5

Explosive Properties

No data available

Relative Density (g/cm<sup>3</sup>)

1.0~1.1 g/cm<sup>3</sup>

Solubility [ Water ]

soluble

## STABILITY AND REACTIVITY

No data available.

## TOXICOLOGICAL INFORMATION

Acute : Not determined

Chronic : Not determined

Signs and symptom of over exposure : Not determined

Medical conditions generally aggravated by exposure : Not determined.

Chemical listed as carcinogens : Unknown

## ECOLOGICAL INFORMATION

ECOTOXICITY No data available

BIOACCUMULATIVE POTENTIAL No data available

OTHER ADVERSE EFFECTS No data available

**DISPOSAL CONSIDERATIONS**

Disposal as usual industrial waste goods ,follow all regulations in your country.  
Do not dump this product into sewers , on the ground or into any body of water.

**TRANSPORT INFORMATION****Ship Name ( CSN ):**

UN CLASS

Not applicable

**REGULATORY INFORMATION**

TSCA Inventory : All ingredients used to manufacture this product are listed  
on the TSCA Inventory.

**OTHER INFORMATION****REFERENCES :**

N.IRVING Sax and RICHARD J. LEWIS,SR, "Dangerous Properties of industrial Materials Seventh Edition", Van Nostrand Reinhold (1989).  
REGISTRY OF TOXIC EFFECTS IF CHEMICAL SUBSTANCES 1985-86 Edition

**Contact Point :** Mr. C Watt , Product Manager , Phone (02-9674-0900) Fax (02-9674-0910)

**IMPORTANT ADVICE :**

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace.

Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the supplier. Our responsibility for products sold is subject to our standard terms and conditions.