

# MATERIAL SAFETY DATA SHEET

[ MSDS NO. AA7006B-000 ]

**PRODUCT:** Artline INDUSTRIAL MARKER  
Artline 17 EK-17 , Artline 19 EK-19 (Black , Blue , Red )

**Issue Date** Jan.5,2007

Not classified as Hazardous according to criteria of Worksafe Australia

## COMPANY DETAILS

### JAPAN:

**SUPPLIER NAME :** Shachihata Inc.  
**ADDRESS :** 4-69,Amazuka-chou,Nishi-ku,Nagoya,451-0021,Japan  
**TELEPHONE NUMBER:** ++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

## IDENTIFICATION

**Product Name:** Artline INDUSTRIAL MARKER  
**Ship Name ( CSN ):** non hazardous  
**Other Names:** -  
**UN No. :** n/a **D.G.CLASS:** n/a **PACK. GRP :** n/a  
**HAZCHEM:** n/a **SUB. RISK :** No Data **SUSDP :** Not Scheduled  
**PRODUCT USE:** Marking pen

## PHYSICAL DATA (INK)

**APPEARANCE AND ODOUR** Liquid, solvent odour.  
**BOILING POINT** No data available  
**MELTING POINT** n/a  
**VAPOUR PRESSURE** n/a  
**VOLATILE (wt.%)** 60~80  
**DENSITY(g/cm3)** 0.9~1.0  
**FLASH POINT** 22 °C(closed cup)  
**FLAMMABILITY LIMITS** no data  
**REL. VAPOUR DENSITY** no data

## INGREDIENTS (INK)

CHEMICAL OR COMMON NAME(S)	CAS NO.	INGREDIENTS(wt.%)
Benzen , dimethyl-	1330-20-7	50~70
1-Butanol	71-36-3	10~30
Synthetic resin	—	5~15
Dye Staff	—	5~15
		100

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

#### ACUTE EFFECTS

##### SWALLOWED :

Not applicable

##### EYE :

A moderate eye irritant.  
May cause watering of eyes.  
High concentrations of vapors will cause irritation.

##### SKIN :

Contact with skin may result in irritation.  
Repeated or prolonged skin contact may lead to dermatitic effects.  
Will have a degreasing action on the skin.

##### INHALED :

Toxic by inhalation.  
The vapor is an irritant to the mucous membranes and respiratory tract.  
Inhalation of vapor can result in headaches, dizziness and possible nausea.  
Possible CNS effects.

#### CHRONIC EFFECTS

Possible liver and kidney disorders.  
Repeated or prolonged skin contact can cause chronic dermatitis.

## FIRST AID

#### SWALLOWED :

Not applicable

#### EYE CONTACT :

Immediately flush with plenty of water.  
Seek medical advice immediately.

#### SKIN CONTACT :

Wipe off with dry cloth and wash with mild soap.  
Seek medical advice immediately.

#### INHALATION :

Move to well ventilated place.  
Seek medical advice immediately.

#### FIRST AID FACILITIES :

No Data

## ADVICE TO DOCTOR

Treat symptomatically.

#### ACUTE TOXICITY (RTECS):

##### ( Benzen , dimethyl- )

Oral	LD <sub>50</sub> (rat)	4,300mg/Kg
Inhalation	LC <sub>50</sub> (rat)	5,000ppm/4H

##### ( 1-Butanol )

Oral	LD <sub>50</sub> (rat)	790mg/Kg
Inhalation	LC <sub>50</sub> (rat)	8,000ppm/4H

## PRECAUTIONS FOR USE

### EXPOSURE CONTROL PARAMETERS :

[ Benzen , dimethyl- ]	
ACGIH TLV (1990-91) TWA	100ppm(434mg/m <sup>3</sup> )
OSHA PEL(1993)	100ppm(435mg/m <sup>3</sup> )
[ 1-Butanol ]	
ACGIH TLV Skin (1990-91) TWA	C 50ppm(C 152mg/m <sup>3</sup> )
OSHA PEL(1993)	100ppm(300mg/m <sup>3</sup> )

### ENGINEERING CONTROLS :

Not required.  
Maintain concentration below recommended exposure limit.  
Use with local exhaust ventilation.  
Vapor heavier than air.  
Keep stock in a well ventilated area.  
Keep tightly capped.

## PERSONAL PROTECTION

Not required.  
Avoid skin and eye contact.  
Do not smoke.  
Remove any naked lights or strong heat sources.

## FLAMMABILITY

Vapors are flammable, may form explosive mixtures with air.  
While in use, keep away from heat, sparks or naked flames.  
Heating may cause explosion.

### ENVIRONMENT :

Not applicable

### OTHER PRECAUTIONS :

Keep away from oxidizing agents, peroxides, acids, acid chlorides, acid anhydrides, alkali metals and ammonia.

## SAFE HANDLING INFORMATION

## STORAGE AND TRANSPORT

Store in a cool, dry, well-ventilated location.  
Keep tightly capped.

### SPILLS AND DISPOSAL :

Disposal as usual industrial waste goods, follow all regulations in your country.

## FIRE/EXPLOSION HAZARD

Extinguish fire with the following :  
Use water fog.  
Use CO<sub>2</sub>, dry chemical or foam.

### OTHER SAFE HANDLING INFORMATION

## OTHER INFORMATION

Risk Statement: n/a  
Safety statement: S23 Do not breathe fumes

### 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.