

MATERIAL SAFETY DATA SHEET

[MSDS NO.EK170_c_Au]

PRODUCT: Artline DRY SAFE INK MARKERS
Artline 170 EK-170 , Artline 190 EK-190 (Black)(Blue)(Red)(Green)

Issue Date 19 July,2013

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
2 Coronation Avenue,Kings Park,
Blacktown Business Centre,NSW 2148

ABN : 51 084 958 556
TELEPHONE NO : 02-9674-0900
FAX NO : 02-9674-0910
EMERGENCY PHONE NUMBER : 02-9674-0900 or Mobile: 0423-782-595

IDENTIFICATION

Product Name: Artline PERMANENT 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.%) 70~90
DENSITY(g/cm3) 0.9
FLASH POINT no data
FLAMMABILITY LIMITS no data
REL. VAPOUR DENSITY no data

INGREDIENTS (INK)

CHEMICAL OR COMMON NAME(S)	CAS NO.	INGREDIENTS(wt.%)
1-Propanol	71-23-8	70~90
Synthetic Resin	—	1~10
Synthetic Dye	—	1~10
Others	—	1~10
		100

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE EFFECTS

SWALLOWED :

Not applicable

EYE :

A severe eye irritant.

SKIN :

Contact with skin may result in irritation.

INHALED :

Moderately Toxic by inhalation.

CHRONIC EFFECTS

An experimental carcinogen.

Mutagenic data .

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):

(1-Propanol)

Oral	LD ₅₀ (rat)	1,870mg/Kg
Inhalation	LCL ₀ (rat)	4,000ppm/4H

PRECAUTIONS FOR USE

EXPOSURE CONTROL PARAMETERS :

[1-Propanol]

ACGIH TLV (1990-91) TWA	200ppm(492mg/m ³)
STEL	250ppm(614mg/m ³)
OSHA PEL(1993)	200ppm(500mg/m ³)

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 CO₂, 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.