

SAFETY DATA SHEET

according to Regulation (EC) 1907/2006

Date of Issue: Oct 3,2011

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name : Artline 750 MARKER FOR LAUNDRY
 EK-750 Color : (Black)



Supplier : Shachihata (Europe) Limited
 Artline Point, Ashville Way, Sutton Weaver, Runcorn, Cheshire WA7 3EZ. UK
 Telephone: 0870 600 5 006 Fax: 0871 200 5 006

Manufacturer : Shachihata Inc. [Japan]
 4-69,Amazuka-cho,Nishi-ku,Nagoya City,451-0021,Japan
 Telephone:+ 81- 52- 521- 3600 Fax: +81- 52- 521- 3899

e-mail address of person responsible for this SDS : www.artline-xstamper.com

Emergency information : Telephone: 0870 600 5 006

Use of the Product : Permanent marker ink

SECTION 2 HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Symbols and indications of danger specific



F : Highly flammable



Xn : Harmful
Xi : Irritant

Hazard designation

- R11 : Highly flammable.
- R20/22 : Harmful by inhalation and if swallowed.
- R37 : Irritating to respiratory system.
- R41 : Risk of serious damage to eyes.
- R67 : Vapours may cause drowsiness and dizziness.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation : Preparation

Ingredients :

Chemical Name / Generic name	Composition weight %	EC Registry No.	CAS Registry No.	EU Symbol/ R-Phrase
Ethanol	50~60	200-578-6	64-17-5	F; R11
Propan-1-ol	1~10	200-746-9	71-23-8	F; R11 Xi; R41-R67
Ethyl lactate	10~20	202-598-0	97-64-3	R10-Xi; R37-41
Benzyl alcohol	1~10	202-859-9	100-51-6	Xn; R20/22
Synthetic resin	5~15	Confidential	Confidential	Not required
Dyestuff	5~15	Confidential	Confidential	Not required

The wording of the symbol(s) and risk phrase(s) is specified in 15.REGULATORY INFORMATION.

SECTION 4 FIRST AID MEASURES

- Inhalation** : Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Consult a doctor if symptoms persist.
- Ingestion** : Immediately consult a doctor.
- Eye** : Wash the eyes immediately with large amounts of running water for over 15 minutes,
and consult a doctor for medical advice.
- Skin** : Wipe off with dry cloth and wash with soap and water.
If irritation persists, consult a doctor for medical advice.

SECTION 5 FIRE-FIGHTING MEASURES

- Suitable extinguishing agents** : Dry chemical powder, foam or carbon dioxide.
- For safety reasons unsuitable extinguishing agents** : Water.
- Protective equipment** : Mount respiratory protective device.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Avoid contact with skin, eyes and clothing.
- Environmental Precautions** : Do not release to sewer, surface water or ground water.
- Method for Cleaning Up** : Wipe off with wet cloth or paper.

SECTION 7 HANDLING AND STORAGE

- Handling** : Use with adequate ventilation.
Avoid contact with skin, eyes and clothing.
Avoid inhalation and ingestion.
In case of contact, wash out the contaminated area immediately.
- Storage** : Keep in a cool and dry place. Protect from sunlight.
Keep away from heat and flame.
Keep out of the reach of children.
- Specific Uses** : Ink for permanent marker

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- EXPOSURE LIMIT VALUES** : EH40/2005 Workplace exposure limits
64-17-5 ethanol
Long-term exposure limit (8-hour TWA reference period)
1000 ppm 1920 mg.m⁻³
71-23-8 Propan-1-ol
Long-term exposure limit (8-hour TWA reference period)
200 ppm 500 mg.m⁻³
Short-term exposure limit (15-minute reference period)
250 ppm 625 mg.m⁻³
- EXPOSURE CONTROLS** : Use adequate ventilation.
- PERSONAL PROTECTION** : Respiratory Protection
Use with local exhaust ventilation, when in long use.
: Hand Protection
Not required, but wear safety gloves, if necessary.
: Eye Protection
Not required, but wear safety glasses, if necessary.

: Skin Protection

To prevent ANY contact, wear impervious clothing such as gloves, apron, as appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Black liquid
Odor	: minor solvent odor
pH:	: Not applicable
Boiling point / boiling range	: No data available
Flash point	: 16.5 °C (closed cup)
Explosive properties	: None
Relative Density (at 25°C)	: 0.9~1.0 (g/cm ³)
Solubility in Water	: Insoluble

SECTION 10 STABILITY AND REACTIVITY

Stability	: Stable
Conditions to Avoid	: High temperature, Direct sunlight, Fire
Materials to avoided	: Strong acid and base
Hazardous Decomposition Products	: CO, CO ₂

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity	: LD/LC50 values that are relevant for classification
	[ethanol]
	Oral-rat LD50 7,060mg/kg
	Inhalation-rat LC50 20,000ppm/10H
	[Propan-1-ol]
	Oral-rat LD50 1,900mg/kg
	Dermal-rabbit LD50 6,700mg/kg
	[Ethyl lactate]
	Oral-rat LD50 >2,000mg/kg
	Dermal-rabbit LD50 >5,000mg/kg
	[Benzyl alcohol]
	Oral-rat LD50 1,230mg/kg
	Inhalation-rat LC50 4,178ppm/4H
	Dermal-rabbit LD50 2,000mg/kg

Other information : Product specific toxicological data are not known.

SECTION 12 ECOLOGICAL INFORMATION

General notes	: Do not allow product to reach ground water, water course or sewage system.
Ecotoxicity	: No data available
Bioaccumulation	: No data available
Other Adverse Effects	: No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal must be made according to official regulations.
Comply with all Federal, State, and Local regulations regarding disposal.

