🖌 Shachihata



# SAFETY DATA SHEET

according to Regulation (EC) 1907/2006

Date of Issue: Oct 3,2011

	DENTIFICATION OF THE SUBSTANCE/PREPARATION AND DF THE COMPANY/UNDERTAKING
Product Name	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 per responsible for this S	
Emergency informat	on : 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.

Xn∶Harmful Xi∶Irritant

Symbols and indications of danger specific



Hazard designation

R11 : Highly flammable.

R20/22 : Harmful by inhalation and if swallowed.

F: Highly flammable

- 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 /	Composition	EC	CAS	EU Symbol/
Generic name	weight %	Registry No.	Registry No.	<b>R</b> -Phrase
Ethanol	$50 \sim 60$	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	$10 \sim 20$	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	$5 \sim 15$	Confidential	Confidential	Not required

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

SECTION 4	FIRST A	ID MEASURES			
Inhalation		Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult a doctor if symptoms persist.			
Ingestion	: Im	Immediately consult a doctor.			
Еуе		Wash the eyes immediately with large amounts of running water for over 15 minutes and consult a doctor for medical advice.			
Skin		ipe off with dry cloth and wash with soap and water. irritation persists, consult a doctor for medical advice.			
SECTION 5	FIRE-FI	GHTING MEASURE	28		
Suitable extingui	shing agents		: Dry chemical powder, foam or carbon dioxide.		
For safety reason	as unsuitable ex	ktinguishing agents	: Water.		
Protective equip	nent		: Mount respiratory protective device.		
SECTION 6	ACCIDE	NTAL RELEASE MI	EASURES		
Personal Precaut	ions	: Avoid contact w	vith skin, eyes and clothing.		
Environmental P	recautions	: Do not release t	to sewer, surface water or ground water.		
Method for Clear	ing Up	: Wipe off with w	vet cloth or paper.		
SECTION 7	HANDLI	NG AND STORAGE			
Handling	<ul> <li>Use with adequate ventilation.</li> <li>Avoid contact with skin, eyes and clothing.</li> <li>Avoid inhalation and ingestion.</li> <li>In case of contact, wash out the contaminated area immediately.</li> </ul>				
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 p	permanent marker			
SECTION 8	EXPOSU	JRE CONTROLS / P	ERSONAL PROTECTION		
EXPOSURE LIN	AIT VALUES	1000 ppm 71-23-8 Propan-1- Long-term expo 200 ppm	osure limit (8-hour TWA reference period) 1920 mg.m <sup>-3</sup>		
EXPOSURE CO	NTROLS	: Use adequate vent	·		
PERSONAL PRO	DTECTION	: Hand Protection	ection khaust ventilation, when in long use. wear safety gloves, if necessary.		
		: Eve Protection			

: Eye Protection Not required, but wear safety glasses, if necessary. [SDS-english-eu] [EK-750\_black\_a] [2011/10/3] 3/4

: Skin Protection

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

SECTION 9	PHYSICAL AND CHEM	AICAL PH	ROPERTIES
Appearance	: Black	liquid	
Odor	: minor	r solvent od	ər
рН:	: Not a	pplicable	
Boiling point / boili	ng range : No d	ata availab	le
Flash point	: 16.5 °	C (closed	cup)
Explosive propertie	s : None		
Relative Density	(at 25℃) : 0.9~	$1.0 (g/cm^3)$	)
Solubility in Water	: Insolu	uble	
SECTION 10	STABILITY AND REA	CTIVITY	
Stability	: Stabl	е	
Conditions to Avoid	L : High	temperatur	e, Direct sunlight, Fire
Materials to avoide	d : Stron	g acid and k	Dase
Hazardous Decomp	osition Products : CO, C	.02	
SECTION 11	TOXICOLOGICAL INF	ORMATI	ION
Acute toxicity		that are rele	evant for classification
	[ethanol] Oral-rat	LD50	7,060mg/kg
	Inhalation-rat	LC50	20,000ppm/10H
	[Propan-1-ol]	Пере	
	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 toxi	cological da	ta are not known.
SECTION 12	ECOLOGICAL INFORM	MATION	
General notes	: Do not allow prod	luct to reach	n ground water, water course or sewage system.
Ecotoxicity	: No data availab	le	
Bioaccumulation	: No data availab	le	
Other Adverse Effe	cts : No data availab	le	
SECTION 19	DISDOS AL CONSIDEI		

## SECTION 13 DISPOSAL CONSIDERATIONS

Disposal must be made according to official regulations. Comply with all Federal, State, and Local regulations regarding disposal. Do not allow product to reach ground, any water course or sewage system.

### SECTION 14 TRANSPORT INFORMATION

UN Number	:	1210
UN Shipping Name	:	Printing ink
UN Classification	:	3
UN Packing Group	:	П

#### SECTION 15 REGULATORY INFORMATION

< EU Information > [ethanol]		
Symbol		F: Highly flammable
R-Phrase	:	· ·
	:	R11 : Highly flammable.
S-Phrase	:	S2 : Keep out of the reach of children.
		S7 : Keep container tightly closed.
[m 1]		S16 : Keep away from sources of ignition - No smoking.
[Propan-1-ol]		
Symbol	:	F: Highly flammable
		Xi : Irritant
R-Phrase	:	R11 : Highly flammable.
		R41 : Risk of serious damage to eyes.
		R67 : Vapours may cause drowsiness and dizziness.
S-Phrase	:	S2 : Keep out of the reach of children.
		S7 : Keep container tightly closed.
		S16 : Keep away from sources of ignition - No smoking.
		S24 : Avoid contact with skin.
		S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
		S39: Wear eye/face protection.
[Ethyl lactate]		
Symbol	:	Xi : Irritant
R-Phrase	:	R10 : Flammable.
		R37 : Irritating to respiratory system.
		R41 : Risk of serious damage to eyes.
S-Phrase	:	S2 : Keep out of the reach of children.
		S24 : Avoid contact with skin.
		S26 : In case of contact with eyes, rinse immediately with plenty of water
		and seek medical advice.
		S39: Wear eye/face protection.
[Benzyl alcohol]		
Symbol	:	Xn : Harmful
R-Phrase	:	R20/22 : Harmful by inhalation and if swallowed.
S-Phrase	:	S2 : Keep out of the reach of children.
		S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Refer to any other federal , state ,  $\ensuremath{\text{EU}}$  , national and local regulations.

### SECTION 16 OTHER INFORMATION



EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC) This product not contain lead,mercury, cadmium, hexavalent chromium, polybromiated biphenyls (PBB) or polybrominated diphenylethers (PBDE)

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