

Safety Data Sheet (MSDS)

DS)

Issued Date: 16 May 2008 Revised Date: 6 January 2021

Artline

Xstamper

(P210)

Product Name	: Artline 17 INDUSTRIAL MARKER EK-17 Colour : (Black)	
	Artline 19 INDUSTRIAL MARKER EK-19	FIBER TIP
Company Name	Shachihata Inc.	ne 10 📼
Address	: 4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan	ARKER NEW INSTANL DR
Telephone	+ 81- 52- 521- 3600	à
Fax	: + 81- 52- 521- 3899 Arti	ine <sup>®</sup>
Contact (e-mail)	: <u>chem-analysis@ngy.shachihata.co.jp</u>	RIAL
Emergency Call	: + 81- 52- 521- 3600 (Shachihata Inc. [Japan])	ARKER FOR
Recommended use	Permanent marker ink	e har maeteng an di and most scher r resistant.
SECTION 2 H	AZARDS IDENTIFICATION	
GHS Classification		
Physical Hazards		
Flammable liquid	ds Category 3	
Health Hazards		
Acute toxicity (or	ral) Category 4	
Acute toxicity (in	hal.) Category 4	
Skin irritation	Category 2	
Serious eye dan		
Constitutores -	raph toyicity: cingle expective Cotegory 2 (recritetory treat irritation percetic)	offocte)
	rgan toxicity; single exposure Category 3 (respiratory tract irritation, narcotic	
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[ISO11014:2009][Shachihata Inc.] [EK-17_black_k] 2/6	
Take action to prevent static discharges.	(P243)
Do not breathe vapours.	(P260)
Wash hands thoroughly after handling.	(P264)
Do not eat, drink or smoke when using this product.	(P270)
Use only outdoors or in a well-ventilated area.	(P271)
Wear protective gloves and eye protection .	(P280)
[Response]	
IF SWALLOWED : Immediately call a POISON CENTER or physician.	(P301+P310)
IF ON SKIN : Wash with plenty of water and soap.	(P302+P352)
IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
IF INHALED Remove person to fresh air and keep comfortable for breathing.	(P304+P340)
IF IN EYES: Rinse cautiously with water for several minutes.	(P305+P351+P338)
Remove contact lenses, if present and easy to do. Continue rinsing.	
Immediately call a POISON CENTER or physician.	(P310)
Rinse mouth.	(P330)
Do NOT induce vomiting.	(P331)
If skin irritation occurs : Get medical advice and attention.	(P332+P313)
In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
[Storage]	
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
(Disposal)	
Dispose of contents and container in accordance with local regulations.	(P501)

# SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

### Substance / Mixture : Mixture Ingredients :

Chemical Name /	Composition	CAS	Hazard Class	Hazard statement
Generic name	weight %	Registry No.	(category)	
			Flam. Liq. 3	H226
			Acute Tox.(dermal) 4	H312
			Acute Tox.(inhal.) 4	H332
Xylene	20 ~ 30	1330-20-7	Skin Irrit. 2	H315
Aylene	20 ~ 30	1000 20 7	Eye Irrit. 2A	H319
			STOT. SE. 3	H335
			STOT. RE. 2	H373
			Asp.Tox. 1	H304
			Flam. Liq. 2	H225
	05 05	100 11 1	Acute Tox.(inhal.) 4	H332
Ethylbenzene	25 ~ 35	100-41-4	STOT. RE. 2	H373
			Asp.Tox. 1	H304
			Flam. Liq. 3	H226
			Acute Tox.(oral) 4	H302
Butan-1-ol	15 ~ 25	71-36-3	Skin Irrit. 2	H315
			Eye Dam. 1	H318
			STOT. SE. 3	H335+H336
Synthetic resin	5 ~ 15	Confidential	none	none
Vegetable oil	1 ~ 10	Confidential	none	none
Dyestuff	5 ~ 15	Confidential	none	none
total	100			

SECTION 4	FIRST-AID MEASURES
IF INHALED	<ul> <li>Remove victim to fresh air and keep at rest in a position comfortable for breathing.</li> <li>Consult a doctor if symptoms persist.</li> </ul>
IF ON SKIN	<ul> <li>Remove / Take off immediately all contaminated clothing. Wash with soap and water.</li> <li>If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.</li> </ul>
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.
SECTION 5	FIRE-FIGHTING MEASURES

### SUITABLE EXTINGUISHING MEDIA

: Dry chemical powder, foam or carbon dioxide

### UNSUITABLE EXTINGUISHING MEDIA

#### SPECIFIC EXTINCTION METHOD

For initial stage extinction, carbon dioxide or dry chemical powder.

When a fire extends, fire is extinguished by a large amount of water spray.

Do not discharge extinguishing waters into the aquatic environment.

#### SPECIAL PROTECTIVE FOR FIRE- FIGHTERS

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

: Water jet

#### **ENVIRONMENTAL PRECAUTIONS**

Do not throw the leakage thing directly into environment

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.),

and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.)

and collect into empty container by scoop, suction equipment or the like.

#### SECONDARY ACCIDENT PREVENTION MEASURE

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources.)

#### SECTION 7 HANDLING AND STORAGE

**Handling** : Use with adequate ventilation.

Avoid contact with skin, eyes and clothing.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not eat, drink or smoke when using this product.

**Storage** : Keep containers tightly closed and store in a cool and dry place. Keep away from heat and flame, ignition source and sunlight. Keep out of the reach of children.

### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMIT

ACGIH (2020)		
Xylene	TWA	100 ppm
Ethylbenzene	TWA	20 ppm
Butan-1-ol	TWA	20 ppm

[ISO11014:2009][Shachihata Inc.] [EK-17\_black\_k] 4/6

OSHA PEL		
Xylene	TWA	100 ppm
Ethylbenzene	TWA	100 ppm
Butan-1-ol	TWA	100 ppm
DIRECTIVE 2000/39/EC	2	
Xylene	TWA	50 ppm
Ethylbenzene	TWA	100 ppm
Japan Society for Occu	pational Health	n (2020)
Xylene	TWA	50 ppm
Ethylbenzene	TWA	20 ppm
Butan-1-ol	TWA	50 ppm

#### PERSONAL PROTECTION

Respiratory Protection	: Use with local exhaust ventilation, when in long use.
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.
Skin Protection	: Avoid skin contact. Wear personal protection apron, boots, if necessary.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Black liquid
Odour	:	Solvent odour
рН	:	Not applicable
Boiling point	:	118 ~ 136 °C
Flash point	:	24 °C (closed cup)
Relative Density (at 25°C)	:	0.9 ~ 1.0 (g/cm <sup>3</sup> )
Solubility in Water	:	Insoluble

### SECTION 10 STABILITY AND REACTIVITY

Stability	: Stable under normal handling.
Conditions to Avoid	: High temperature, Direct sunlight, Fire
Incompatible Materials	: Strong oxidising agents
Hazardous Decomposition Products	: CO, CO <sub>2</sub>

## SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity	<ul> <li>LD/LC50 values that are relevant for classification [Xylene]</li> </ul>		
	Oral-rat LD50 >2,000 - <=5,000 mg/kg		
	Dermal-rabbit LD50 >1,000 - <=2,000 mg/kg		
	Inhalation-rat LC50 >10 - <=20 mg/L/4h		
	[Ethylbenzene]		
	Oral-rat LD50 >2,000 - <=5,000 mg/kg		
	Dermal-rabbit LD50 >5,000 mg/kg		
	Inhalation-rat LC50 >10 - <=20 mg/L/4h		
	[Butan-1-ol]		
	Oral-rat LD50 >300 - <=2,000 mg/kg		
	Dermal-rabbit LD50 >2,000 mg/kg		
	Inhalation-rat LC50 >20 mg/L/4h		
Acute toxicity (oral)	: Category 4 Harmful if swallowed		
Acute toxicity (inhal.)	: Category 4 Harmful if inhaled		
Skin irritation	: Category 2 Causes skin irritation		
Serious eye damage	Category 1 Causes serious eye damage		

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Specific target organ toxicity ; single exposure	Category 3	May cause respiratory irritation May cause drowsiness or dizziness
Specific target organ toxicity ; repeated exposure	Category 2	May cause damage to organs through prolonged or repeated exposure (central nervous system,respiratory system)
Aspiration hazard	Category 1	May be fatal if swallowed and enters airways
Carcinogenicity : Regarding	the carcinogeni	city of ethylbenzene, International Agency for Research on Cancer (IARC)

has classified as a group 2B. ACGIH(American Conference of Governmental Industrial Hygienists) has classified as a group A3. The Japan Society for Occupational Health has classified as a group 2B.

### SECTION 12 ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute)	: Classification not possible
Hazardous to the aquatic environment (chronic)	: Classification not possible
Hazardous to the ozone layer	: Classification not possible

### 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	(DOT, ADR, IMDG, IATA)	: UN1993		
UN proper shipping name	(DOT, ADR, IMDG, IATA)	: FLAMMABLE LIQUID, N.O.S.		
		(Xylene, Ethylbe	enzene, Butan-1-ol)	
UN Classification		: 3		
Packing group	(DOT, ADR, IMDG, IATA)	: 111		
Marine pollutant (Y/N)		: N	3	
EmS number		: F-E,S-E	v	

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Artline INDUSTRIAL MARKER (EK-17,19) is not a Dangerous Goods by the special provision.

Artline INDUSTRIAL MARKER (EK-17,19)		(The amount of ink : less than 10ml)
UN number	: UN3175	
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.
ΙΑΤΑ	Special Provision A46	
IMDG Code	Special Provision 216	

According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

### SECTION 15 REGULATORY INFORMATION

#### < EU Information > Regulation (EC) No 1272/2008 (CLP) Substance name : [Xylene] : Flammable liquids, Category 3 Hazard Class & Category Acute toxicity - Dermal, Category 4 Acute toxicity - Inhalation, Category 4 Skin irritation, Category 2 Symbols : GHS02,GHS07 Signal word : Warning Hazard statements : H226 Flammable liquid and vapour H312 Harmful in contact with skin H332 Harmful if inhaled H315 Causes skin irritation

#### [ISO11014:2009][Shachihata Inc.] [EK-17\_black\_k] 6/6

-		_					
	Substance name	: [	[Ethylb	enzene]			
	Hazard Class & Category	: F	Flamm	able liquids, Category 2			
				oxicity - Inhalation, Cate	gory 4		
			•	ion hazard, Category 1			
			Specific target organ toxicity ; repeated exposure, Category 2				
	Symbols			2,GHS07,GHS08 -			
	Signal word		Dangei		landvanaur		
Hazard statements	nazaru statements		H225 H332	Highly flammable liquic Harmful if inhaled	and vapour		
			H304	May be fatal if swallow	ed and enters	airways	
			H373	•		n prolonged or repeated exposure	
	Substance name				organo anoagi	r protongoù er repeateù expecute	
Substance name : [Butan-1-ol] Hazard Class & Category : Flammable liquids, Category 3 Acute toxicity - Oral, Category 4							
				itation, Category 2			
				s eye damage, Category	1		
		;	Specifi	c Target Organ Toxicity(	Single Exposu	re), Category 3	
	Symbols	: (	GHS02	2,GHS05,GHS07			
	Signal word	:[	Dangei	r			
	Hazard statements	:	H226	Flammable liquid and v	apour		
			H302	Harmful if swallowed			
			H315 Causes skin irritation				
			H318 Causes serious eye damage				
			H335	May cause respiratory			
		Г	H336	May cause drowsiness	or dizziness		
	SA Information >						
	SHA STATUS : This produc				1200.		
	SCA STATUS : All compone						
	SCA Hazard Communication		-	, , ,	, .	plicable	
C	CERCLA REPORTABLE QUA	4NT	ITY (40	0 CFR 117,302)	: Listed		
					Xylene, repo	ortable quantity 100 pounds	
					Ethylbenzen	e, reportable quantity 1,000 pounds	
					Butan-1-ol, r	eportable quantity 5,000 pounds	
SARA TITLE III Section 313 (40 CFR 372)			: Listed	[Xylene, Ethylbenzenel, Butan-1-ol]			
C	California Proposition 65				: Listed	[Ethylbenzene]	
<b>-</b> ,							

Refer to any other federal, state, EU, national and local regulations.

### SECTION 16 OTHER INFORMATION



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS(Directive 2011/65/EU)EU ELV(DIRECTIVE 2000/53/EC)