

Artline Xstamper

Safety Data Sheet (MSDS)

Issued Date : 5 May 2008 Revised Date : 24 November 2020

		Revised Date : 24 Novem	
ECTION 1	CHEMICAL PRODUCT AND	D COMPANY IDENTIFICATION	
Product Name :		Colour : (Red) K-100, EK-110, EK-120, EK-130, EK-700 Artline70 0, ESK-3	
Company Name Address Telephone Fax Contact (e-mail) Emergency Call Recommended us	 + 81- 52- 521- 3600 + 81- 52- 521- 3899 <u>chem-analysis@ngy.shac</u> + 81- 52- 521- 3600 (Shac Permanent marker ink 	chihata Inc. [Japan])	
ECTION 2	HAZARDS IDENTIFICATIO	N	
GHS Classificatio Physical Hazar Flammable lin Health Hazards	d s quids	Category 2	Constant of the second
Serious eye o		Category 1	Antonian Consultation
Hazardous to	the aquatic environment (acute) the aquatic environment (chronic) the ozone layer S :	Classification not possible Classification not possible Classification not possible	
Signal word	: Danger		
Hazard stateme	ent : Highly flammable liquid ar Causes serious eye dama	•	(H225) (H318)
Keep away fr Take precaut Wear eye pro [Response] In case of fire IF IN EYES : If eye irritation Immediately of	each of children. om heat, hot surfaces, sparks, oper ionary measures against static disc tection. : Use dry chemical powder, foam of Rinse cautiously with water for seve Remove contact lenses, if present a persists : Get medical advice and call a POISON CENTER or physicia	or carbon dioxide to extinguish. eral minutes. and easy to do. Continue rinsing. attention.	(P102) (P210) (P243) (P280) (P370+P378) (P305+P351+ (P337+P313) (P310) (P303+P361+

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture Ingredients :

Chemical Name /	Composition	CAS	Hazard Class	Hazard statement
Generic name	weight %	Registry No.	(category)	
Ethanol	50 ~ 60	64-17-5	Flam. Liq. 2	H225
			Flam. Liq. 2	H225
Propan-1-ol	5 ~ 15	71-23-8	Eye Dam. 1	H318
			STOT. SE. 3	H336
			Flam. Liq. 3	H226
Ethyl lactate	10 ~ 20	97-64-3	Eye Dam. 1	H318
			STOT. SE. 3	H335
			Acute Tox.(oral) 4	H302
Benzyl alcohol	1 ~ 5	100-51-6	Acute Tox.(inhal.) 4	H332
			Eye Irrit. 2A	H319
Synthetic resin	5 ~ 15	Confidential	none	none
Dyestuff	5 ~ 10	Confidential	none	none
total	100			

SECTION 4 FIRST-AID MEASURES

IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.

IF ON SKIN : Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.

- **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 : Water iet

SPECIFIC EXTINCTION METHOD

UNSUITABLE EXTINGUISHING MEDIA

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.

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.),

[ISO11014:2009][Shachihata Inc.] [ESK-20_red_m] 3/5

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 HAND	LING 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 EXPOSE ACGIH (2020) Ethanol Propan-1-ol OSHA PEL Ethanol Propan-1-ol DIRECTIVE 2000/39/EC Japan Society for Occupa Benzyl alcohol	JRE LIMIT STEL 1,000 ppm TWA 100 ppm TWA 1,000 ppm TWA 200 ppm None		
PERSONAL PROTECTION Respiratory Protection Hand Protection	DTECTION Protection : Use with local exhaust ventilation, when in long use. Avoid breathing vapours. Wear mask to prevent organic gas, if necessary. ion : Avoid contact with hands. Wear safety gloves, if necessary.		
Eye Protection Skin Protection	Avoid contact with eyes. Wear safety glasses, if necessary.Avoid skin contact. Wear personal protection apron, boots, if necessary.		
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance Odour	: Red liquid : Minor solvent odour		
pH Boiling point Flash point Relative Density (at 25°C) Solubility in Water	 Not applicable 78 ~ 205 °C 16.5 °C (closed cup) 0.85 ~ 0.95 (g/cm³) 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 ₂

SECTION 11	TOXICOLOGICAL INF	ORMATI	ON	
Acute toxicity	: LD/LC50 values that	at are releva	ant for classification	
	[Ethanol]			
	Oral-rat	LD50	>5,000 mg/kg	
	Inhalation-rat	LC50	>20 mg/L/4h	
	[Propan-1-ol]			
	Oral-rat	LD50	>2,000 mg/kg	
	Dermal-rabbit	LD50	>2,000 mg/kg	
	Inhalation-rat	LC50	>20 mg/L/4h	
	[Ethyl lactate]			
	Oral-rat	LD50	>2,000 mg/kg	
	Dermal-rabbit	LD50	>5,000 mg/kg	
	[Benzyl alcohol]			
	Oral-rat	LD50	>300 - <=2,000 mg/kg	
	Inhalation-rat	LC50	>10 - <=20 mg/L/4h	
Serious eye dama	age : Category 1 Causes serious eye damage			
Carcinogenicity	: This product does not contain any component that is considered			
0	a human carcinogen by IARC, ACGIH, EPA, EU or NTP.			
SECTION 12	ECOLOGICAL INFOR	MATION		
Hazardous to the a	aquatic environment (acut	e) : CI	assification not possible	
Hazardous to the a	s to the aquatic environment (chronic) : Classification not possible			
Hazardous to the o	zardous 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 (DOT, ADR, IMDG, IATA) : UN1993 **UN number** UN proper shipping name (DOT, ADR, IMDG, IATA) : FLAMMABLE LIQUID, N.O.S. (Ethanol, Propan-1-ol, Ethyl lactate) **UN Classification** : 3 Packing group (DOT, ADR, IMDG, IATA) : II Marine pollutant (Y/N) : N **EmS number** : F-E,S-E

☆☆

Artline Permanent Marker (EK-30, EK-70, EK-90, EK-700) is not a Dangerous Goods by the special provision. However, Artline Permanent Marker (EK-50, EK-100, EK-110, EK-120, EK-130) is a Dangerous Goods (UN3175) for more than 10ml.

Artline Permanent Marker (EK	-30, EK-70, EK-90, EK-700)	(The amount of ink : less than 10ml)	
UN number	: UN3175		
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.	
IATA	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 C	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.			
Artline Permanent Marker (EK	-50, EK-100, EK-110, EK-120, EK	(The amount of ink : over 10ml)	
UN number	: UN3175		
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.	
UN Classification	: 4.1		
Packing group	: II		

SECTION 15 REGULATORY INFORMATION

< EU Information >			
Regulation (EC) No 1272/2008 Substance name			
	: Flammable liquids, Category 2		
Symbols	: GHS02		
Signal word Hazard statements	:Danger :H225 Highly flammable liquid and vapour		
Substance name	: [Propan-1-ol]		
Hazard Class & Category	: Flammable liquids, Category 2		
	Serious eye damage, Category 1 Specific target organ toxicity - single exposure, Category 3		
Symbols	: GHS02,GHS07,GHS05		
Signal word	: Danger		
Hazard statements	 H225 Highly flammable liquid and vapour H318 Causes serious eye damage 		
	H336 May cause drowsiness or dizziness		
Substance name	: [Ethyl lactate]		
Hazard Class & Category	: Flammable liquids, Category 3		
	Serious eye damage, Category 1 Specific target organ toxicity - single exposure, Category 3		
Symbols	: GHS02,GHS07,GHS05		
Signal word	: Danger		
Hazard statements	: H226 Flammable liquid and vapour H318 Causes serious eye damage		
	H335 May cause respiratory irritation		
Substance name	: [Benzyl alcohol]		
Hazard Class & Category	: Acute toxicity (inhalation:vapour), Category 4		
Symbols	Acute toxicity (oral), Category 4 : GHS07		
Symbols Signal word	: Warning		
Hazard statements	: H332 Harmful if inhaled		
	H302 Harmful if swallowed		
< USA Information >			
•	is hazardous under 29 CFR 1910.1200.		
TSCA STATUS : All components on TSCA INVENTORY.			
TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : Not Applicable			
CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : Not Applicable			

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

SECTION 16 OTHER INFORMATION

SARA TITLE III Section 313 (40 CFR 372)



California Proposition 65

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

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.

: Not Applicable

: Not listed