

Safety Data Sheet (MSDS)

Artline Xstamper

(P332+P313)

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

			Revised Date : 24 November	er 2020
SECTION 1	CHEMICAL PRODUCT AN	D COMPANY IDEN	ITIFICATION	
Product Name :	Artline Permanent Markers	Colour : (Black)		
	EK-30, EK-50, EK-70, EK-90, E	EK-100, EK-110, EK-12	0, EK-130, EK-700	
	Artline marking INK		Artline 70 G	
	ESK-20, ESK-20-30, ESK-20-6	60, ESK-3		
Company Name Address Telephone Fax Contact (e-mail) Emergency Call Recommended u	: + 81- 52- 521- 3600 (Sha		21, Japan	
SECTION 2	HAZARDS IDENTIFICATIO	N		
GHS Classificatio Physical Hazar Flammable li Health Hazards	r ds quids	Category 2	Artinette	N COLOR
Serious eye	damage	Category 1	the states	The second second
Hazardous to	o the aquatic environment (acute) o the aquatic environment (chronic) o the ozone layer	Classification not po Classification not po Classification not po	ssible	
Signal word	: Danger			
Hazard statem	-			(H225) (H318)
Precautionary [Prevention]	statement	490		
Keep away fi	each of children. om heat, hot surfaces, sparks, ope tionary measures against static disc		tion sources. No smoking.	(P102) (P210) (P243)
Wear eye pro 【Response】	otection.	-		(P280)
	 Use dry chemical powder, foam Rinse cautiously with water for sev Remove contact lenses, if present 	eral minutes.	-	(P370+P378) (P305+P351+P3
•	n persists : Get medical advice and call a POISON CENTER or physicia	l attention.	zo mong.	(P337+P313) (P310)
IF ON SKIN	(or hair) : Take off immediately all c	contaminated clothing. F	linse skin with water.	(P303+P361+P3

If skin irritation occurs : Get medical advice and attention.

COMPOSITION/INFORMATION ON INGREDIENTS SECTION 3

Substanco / Mixturo . Mischung

Chemical Name /	Composition	CAS	Hazard Class	Hazard statement
Generic name	weight %	Registry No.	(category)	
Ethanol	50 ~ 60	64-17-5	Flam. Liq. 2	H225
Dronon 1 al	1 ~ 10	71-23-8	Flam. Liq. 2	H225
Propan-1-ol	1 ~ 10	/ 1-23-0	Eye Dam. 1 STOT. SE. 3	H318 H336
			Flam. Liq. 3	H226
Ethyl lactate	10 ~ 20	97-64-3	Eye Dam. 1 STOT. SE. 3	H318 H335
Deneral electric	4 5	400 54 0	Acute Tox.(oral) 4	H302
Benzyl alcohol	1 ~ 5	100-51-6	Acute Tox.(inhal.) 4 Eye Irrit. 2A	H332 H319
Synthetic resin	5 ~ 15	Confidential	none	none
Dyestuff	5 ~ 15	Confidential	none	none
Additive	1 ~ 5	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.
- : After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, **IF SWALLOWED** 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
 - : Water jet

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.

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

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 EXPOS ACGIH (2020) Ethanol Propan-1-ol	URE LIMIT	STEL TWA	1,000 ppm 100 ppm
OSHA PEL Ethanol Propan-1-ol DIRECTIVE 2000/39/EC	2	TWA TWA	1,000 ppm 200 ppm None
Japan Society for Occup Benzyl alcohol PERSONAL PROTECTIO	· · ·) TWA	25 mg/m ³
Respiratory Protection			ation, when in long use. ear mask to prevent organic gas, if necessary.
Hand Protection Eye Protection Skin Protection	: Avoid contact wit	h eyes. We	ear safety gloves, if necessary. ar safety glasses, if necessary. rsonal protection apron, boots, if necessary.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Black liquid
Odour	: Minor solvent odour
рН	: Not applicable
Boiling point	: 78 ~ 205 °C
Flash point	: 16.5 °C (closed cup)
Relative Density (at 25°C)	: $0.85 \sim 0.95 \text{ (g/cm}^3)$
Solubility in Water	: Insoluble
SECTION 10 STAB	LITY AND REACTIVITY
Stability	: Stable under normal handling.
Conditions to Avoid	: High temperature, Direct sunlight, Fire
Incompatible Materials	: Strong oxidising agents

Hazardous Decomposition Products : CO, CO₂

SECTION 11	TOXICOLOGICAL IN	FORMATI	ON	
Acute toxicity	: LD/LC50 values th	nat 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	ge : Category 1 C	auses serio	us eye damage	
Carcinogenicity	: This product does	not contain a	any component that is considered	
0,			ACGIH, EPA, EU or NTP.	
SECTION 12	ECOLOGICAL INFO	RMATION		
Hazardous to the a	aquatic environment (acu	te) : Cl	assification not possible	
Hazardous to the a	aquatic environment (chr	onic) : Cl	assification not possible	
Hazardous to the c	ozone layer	: Cl	assification 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 INFORMATIONUN number(DOT, ADR, IMDG, IATA): UN1993UN proper shipping name(DOT, ADR, IMDG, IATA): FLAMMABLE LIQUID, N.O.S.
(Ethanol, Propan-1-ol, Ethyl lactate)UN Classification: 3Packing group(DOT, ADR, IMDG, IATA): II

Marine pollutant (Y/N)

EmS number

☆☆

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.

: N

: F-E,S-E

Artline Permanent Marker (EK	K-30, EK-70, EK-90, EK-700)	(The amount of ink : less than 10ml)
UN number	: UN3175	
UN proper shipping name	: Solids containing Flammable I	.iquid. n.o.s.
IATA	Special Provision A46	
IMDG Code	Special Provision 216	
According to IATA Special Pro	ovision A46, and IMDG Code Spec	al Provision 216, small inner packagings consisting
of sealed packets and articles	containing less than 10 mL of a C	ass 3 liquid in Packing Group II or III absorbed onto
a solid material are not subject	t to as a hazardous material/dange	rous goods provided there is no free liquid in the
packet or article.		
Artline Permanent Marker (EK	K-50, EK-100, EK-110, EK-120, EK	(The amount of ink : over 10ml)
UN number	: UN3175	
UN proper shipping name	: Solids containing Flammable I	iquid. n.o.s.
UN Classification	: 4.1	
Packing group	: II	

SECTION 15 REGULATORY INFORMATION

Regulation (EC) No 1272/2008 (CLP) Substance name : [Ethanol] Hazard Class & Category : Flammable liquids, Category 2 Symbols : GHS02 Signal word : Danger Hazard statements : H225 Highly flammable liquid and vapour Substance name : [Propan-1-ol] Hazard Class & Category : Flammable liquids, Category 1
Hazard Class & Category:Flammable liquids, Category 2Symbols:GHS02Signal word:DangerHazard statements:H225Substance name:[Propan-1-ol]Hazard Class & Category:Flammable liquids, Category 2Serious eye damage, Category 1:
Symbols: GHS02Signal word: DangerHazard statements: H225 Highly flammable liquid and vapourSubstance name: [Propan-1-ol]Hazard Class & Category: Flammable liquids, Category 2 Serious eye damage, Category 1
Signal word: DangerHazard statements: H225Highly flammable liquid and vapourSubstance name: [Propan-1-ol]Hazard Class & Category: Flammable liquids, Category 2 Serious eye damage, Category 1
Hazard statements: H225Highly flammable liquid and vapourSubstance name: [Propan-1-ol]Hazard Class & Category: Flammable liquids, Category 2 Serious eye damage, Category 1
Substance name : [Propan-1-ol] Hazard Class & Category : Flammable liquids, Category 2 Serious eye damage, Category 1
Hazard Class & Category : Flammable liquids, Category 2 Serious eye damage, Category 1
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
Acute toxicity (oral), Category 4
Symbols : GHS07
Signal word : Warning
Hazard statements : H332 Harmful if inhaled
H302 Harmful if swallowed
< USA Information >
OSHA STATUS : This product 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