

Artline Xstamper

Safety Data Sheet (MSDS)

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

		Revised Date : 24 Novembe	# 2020
SECTION 1	CHEMICAL PRODUCT AND	COMPANY IDENTIFICATION	
		Colour : (Green) K-100, EK-110, EK-120, EK-130, EK-700 , ESK-3	
Company Name Address Telephone Fax Contact (e-mail) Emergency Call Recommended us	e : Permanent marker ink	Nagoya City, 451-0021, Japan	
SECTION 2	HAZARDS IDENTIFICATION	V	
GHS Classification Physical Hazard Flammable liq Health Hazards Serious eye da	ls uids	Category 2 Category 1	
Hazardous to	the aquatic environment (acute) the aquatic environment (chronic) the ozone layer	Classification not possible Classification not possible Classification not possible	
Signal word Hazard stateme	: Danger nt : Highly flammable liquid and Causes serious eye damag		(H225) (H318)
Keep away fro Take precaution Wear eye prof [Response] In case of fire IF IN EYES : F If eye irritation Immediately c IF ON SKIN (co	each of children. Tom heat, hot surfaces, sparks, open onary measures against static disch tection. : Use dry chemical powder, foam of Rinse cautiously with water for seve Remove contact lenses, if present a persists : Get medical advice and a all a POISON CENTER or physiciar	flames and other ignition sources. No smoking. harge. r carbon dioxide to extinguish. ral minutes. nd easy to do. Continue rinsing. httention. n. ntaminated clothing. Rinse skin with water.	(P102) (P210) (P243) (P280) (P370+P378) (P305+P351+P3 (P337+P313) (P310) (P303+P361+P3 (P332+P313)

(P403+P233) (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)	
Ethanol	45 ~ 55	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	10 ~ 20	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_green_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 HANL	LING AND STORAGE		
Avoid contac Obtain speci Do not hand Do not eat, d	quate ventilation. t with skin, eyes and clothing. al instructions before use. e until all safety precautions have been read and understood. rink or smoke when using this product.		
Keep away f	ers tightly closed and store in a cool and dry place. om heat and flame, ignition source and sunlight. ne reach of children.		
SECTION 8 EXPO	SURE CONTROLS AND PERSONAL PROTECTION		
OCCUPATIONAL EXPOS	JRE LIMIT		
ACGIH (2020) Ethanol	STEL 1,000 ppm		
Propan-1-ol	TWA 100 ppm		
OSHA PEL			
Ethanol	TWA 1,000 ppm		
Propan-1-ol	TWA 200 ppm		
DIRECTIVE 2000/39/EC	None		
Japan Society for Occupational Health (2020)			
Benzyl alcohol TWA 25 mg/m ³			
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	: Green 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)			
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 ₂

SECTION 11	TOXICOLOGICAL INI	FORMATI	ON	
Acute toxicity	: LD/LC50 values that are relevant for classification			
	[Ethanol]	[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	nage : 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 INFORMATION				
Hazardous to the a	aquatic environment (acu	te) : Cl	assification not possible	
Hazardous to the a	aquatic environment (chro	onic) : Cl	assification not possible	
Hazardous to the ozone layer		: CI	assification not possible	

Hazardous to the ozone layer	
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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 T	RANSPORT	INFORMATION	
UN number	(DOT	, ADR, IMDG, IATA)	: UN1993
UN proper shipping	name (DOT	, ADR, IMDG, IATA)	: FLAMMABLE LIQUID, N.O.S.

on proper empping name			QUID, 11.0.0.
		(Ethanol, Propa	an-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	

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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 Pro	vision A46, and IMDG Code Spec	ial Provision 216, small inner packagings consisting	
of sealed packets and articles	containing less than 10 mL of a C	lass 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	-130) (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	: 11		

SECTION 15 REGULATORY INFORMATION

< EU Information >				
Regulation (EC) No 1272/2008 (CLP)				
Substance name				
	:Flammable liquids, Category 2 :GHS02			
Symbols Signal word	: Danger			
Hazard statements	: H225 Highly flammable liquid and vapour			
Substance name	: [Propan-1-ol]			
Hazard Class & Calegory	: 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			
a	Specific target organ toxicity - single exposure, Category 3			
Symbols	: GHS02,GHS07,GHS05			
Signal word Hazard statements	: Danger			
Hazaru 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 (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 compone	nts on TSCA INVENTORY.			
TSCA Hazard Communication	Program (40 CFR Part 721) (SNUR) : Not Applicable			
CERCLA REPORTABLE QUA	NTITY (40 CFR 117,302) : Not Applicable			
SARA TITLE III Section 313 (4	SARA TITLE III Section 313 (40 CFR 372) : Not Applicable			

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

SECTION 16 OTHER INFORMATION



California Proposition 65

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 listed

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