

Safety Data Sheet

Artline Xstamper

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 26.02.2014

SECTION 1: Product and Company Identification

1.1. Product ide	entifier		
Product Name	: Jiffy Artline Paint Marker EK-400 Color : (Green) Artline Paint Marker EK-440 Artline Paint Marker EK-444 Artline Paint Marker EK-409		
1.2. Recommer	nded use of the chen	nical and restrictions on use	
Recommende	d use : Perman	ent marker ink	
1.3. Details of the	ne supplier of the sa	fety data sheet	
Supplier	Company Name Address Telephone Fax Contact (e-mail)	 Jiffco International Ltd. 835 - West 3rd Street North Vancouver, BC V7P 3K7 Canada 604-980-2685 604-980-8549 sales@jiffco.net 	
Manufacturer	Company Name Address Telephone Fax Contact (e-mail)	 Shachihata Inc. 4-69,Amazuka-cho,Nishi-ku,Nagoya City,451-0021,Japan +81-52-521-3600 +81-52-521-3899 chem-analysis@ngy.shachihata.co.jp 	

1.4. Emergency telephone number

Telephone : 604-657-9822

SECTION 2: Hazard(s) identification

United States (US) : According to OSHA 29 CFR 1910.1200 HCS 2012

Danger

:

2.1.1 Classification of the	substance or mixture	Э			
Flammable liquids, Catego	ory 2		H225	:	Highly flammable liquid and vapour
Aspiration toxicity, Category 1			H304	:	May be fatal if swallowed and enters airways
Skin corrosion / irritation , Category 2			H315	:	Causes skin irritation
Specific target organ toxicity - single exposure, Category 3			H336	:	May cause drowsiness or dizziness
Hazardous to the aquatic environment, chronic toxicity, Category 2		H411	:	Toxic to aquatic life with long lasting effects	
2.1.2 Label elements	^	•		~	^

Hazard pictograms

Signal word







(P271)

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Hazard statement	: Highly flammable liquid and vapour	(H225)
	May be fatal if swallowed and enters airways	(H304)
	Causes skin irritation	(H315)
	May cause drowsiness or dizziness	(H336)
	Toxic to aquatic life with long lasting effects	(H411)
Precautionary statemen	nt	
[Prevention]		
Keep away from heat	t/sparks/open flames/hot surfaces No smoking.	(P210)
Take precautionary m	neasures against static discharge.	(P243)
Avoid breathing dust/fume/gas/mist/vapours/spray.		(P261)
Wear protective glove	es/protective clothing/eye protection/face protection.	(P280)
Wash hands thoroughly after handling.		(P264)

Use only outdoors or in a well-ventilated area.

[ANSI Z400.1/Z129.1-2010][Shachihata Inc.] [Jiffy EK-400(iso)_green_d] 2/6

[ANSI Z400.1/Z129.1-2010][Shachihata Inc.] [Jiffy EK-400(iso)_green_d] 2/6		
Avoid release to the environment.	(P273)	
[Response]		
In case of fire : Use dry chemical powder, form or carbon dioxide for extinction.	(P370+P378)	
IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.	(P301+P310)	
Get medical advice/attention if you feel unwell. Rinse mouth.	(P301+P314+P330)	
IF INHALED : Remove victim to fresh air and keep at rest in a position comfortal	ble (P304+P340)	
for breathing.		
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)	
Remove contact lenses, if present and easy to do. Continue rinsir	ng.	
If eye irritation persists : Get medical advice/attention.	(P337+P313)	
IF ON SKIN (or hair) : Remove/Take off immediately all contaminated clothing.	(P303+P361+P353)	
Rinse skin with water/shower.		
IF ON SKIN : Wash with plenty of soap and water.	(P302+P352)	
If skin irritation occurs : Get medical advice/attention.	(P332+P313)	
Do NOT induce vomiting.	(P331)	
Collect spillage.	(P391)	
[Storage]		
Store in a well-ventilated place. Keep container tightly closed. (P403+P233)		
[Disposal]		
Dispose of contents/container to waste in accordance with (P501)		
local/regional/ national/international regulation (to be specified).		
2.1.3 Other hazards		
Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard),		
this product is considered hazardous.		
Canada : According to WHMIS		
2.2.1 Classification of the substance or mixture Class B2 : Flammable Liquids		

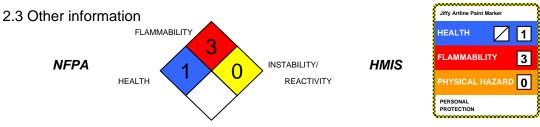
2.2.2 Label elements



2.2.3 Other hazards

Substance/Mixture

In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)



SECTION 3: Composition/information on ingredients

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Mixture

Chemical Name /	Composition	CAS	Classification (OSHA HCS 2012)		
Generic name	weight %	Registry No.	Hazard Class	Hazard statement	
Isoparaffinic Hydrocarbon	50 ~ 60	64741-66-8	Flam.Liq. 2 Asp. Tox. 1 Skin Irrit.2 STOT.SE. 3 Aquatic Chronic 2	H225 H304 H315 H336 H411	
Titanium dioxide	5 ~ 15	13463-67-7	none	none	
Organic pigment	1 ~ 10	Confidential	none	none	
Synthetic resin	25 ~ 35	Confidential	none	none	
total	100				

SECTION 4: First-aid measures

4.1. Description of fi	rst 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.
Note to Physicians :	
	and a second

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media						
Suitable extinguishing media	:	Dry chemical	powder, foam	or	carbon	dioxide
Unsuitable extinguishing media	:	Water jet				

5.2. Special hazards arising from the substance or mixture

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.

5.3. Advice for firefighters

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

6.1. 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.				
6.2. Environmental procedutions				

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc.,

then place in a chemical waste containers.

In case of large spills, dike and prevent overflow, cover spills with foam,

then place in a chemical container using non-sparking tools.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe 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.	
7.2. Conditions for safe sto	prage, including any incompatibilities	
Requirements for storage	· Keep containers tightly closed and store in a cool and dry place	

Requirements for storage
areas and containers: 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/personal protection

8.1. Control parameters ACGIH (2013)		
Titanium dioxide	TWA	10 mg/m ³
OSHA PEL		
Titanium dioxide	TWA	15 mg/m ³

incial TWA	10 mg/m ³		
TWA	10 mg/m ³		
ent			
0			
: Avoid contact with hands	Avoid contact with hands. Wear safety gloves, if necessary.		
: Avoid contact with eyes.	Avoid contact with eyes. Wear safety glasses, if necessary.		
: Avoid skin contact. Wear	Avoid skin contact. Wear personal protection apron,boots, if necessary.		
ntrols			
: Prevent product from ent	tering drains.		
Prevent further leakage of	or spillage if safe to do so.		
-			
	rincial TWA : Use with local exhaust ve Avoid breathing vapours : Avoid contact with hands : Avoid contact with eyes. : Avoid skin contact. Weat ntrols : Prevent product from ent Prevent further leakage of	TWA 10 mg/m³ trincial TWA 10 mg/m³ TWA 10 mg/m³ ent Itse with local exhaust ventilation, when in long use. Avoid breathing vapours. Wear mask to prevent organic gas, if necessary. Avoid contact with hands. Wear safety gloves, if necessary. 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

9.1 Information on basic physical and cl Appearance	hemical properties : green liquid
Odor	: minor solvent odor
рН	: Not applicable
Boiling point	: No data available
Flash point	: 51.8 °F (11 °C) (closed cup)
Relative Density (at 77 °F , 25 °C)	$: 0.8 \sim 1.0 ~ (g/cm^3)$
Solubility in Water	: Insoluble

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.3. Chemical stability

The product is stable.

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products CO, CO₂

SECTION 11: Toxicological information

11.1. Information on toxicological	effects			
Acute toxicity	: LD/LC50 values t	that are relevant for classification		
	[Isoparaffinic Hyd	rocarbon]		
	Oral-rat	LD50	>5,000mg/kg	
	Inhalation-rat	LC50	21 mg/l/4H	
	Dermal-rabbit	LD50	>2,000mg/kg	
Aspiration toxicity, Category 1	: Category 1	May be fatal if swallowed and enters airways.		
Skin corrosion / irritation	: Category 2	Causes skin irritation.		
Specific target organ toxicity single exposure	: Category 3	May cause drowsiness or dizziness.		
Carcinogenicity		ide has been classified by the IARC as Group 2B. Is ; Not listed by IARC, ACGIH, OSHA or NTP .		

Regarding the carcinogenicity of titanium dioxide, International Agency for Research on Cancer (IARC) has classified as a group 2B. However, ACGIH (American Conference of Governmental Industrial Hygienists), OSHA (Occupational Safety and Health Administration), NTP (National Toxicology Program, USA) in the classification of suspected carcinogenic to humans has not been done. Therefore, we could not classify the carcinogenicity of GHS from that there is no sufficient data.

12.1. Ecotoxicity	: Category 2 Toxic to aquatic life with long lasting effects				
12.2. Persistence and degradabilit					
12.3. Bioaccumulative potential	: No data available				
12.4. Mobility in soil	: No data available				
12.5. Other adverse effects	: No known significant effects or critical hazards.				
ECTION 13: Disposal consi	derations				
	to official regulations. I Local regulations regarding disposal.				
Do not allow product to reach ground	I Local regulations regarding disposal. nd, any water course or sewage system.				
Do not allow product to reach group	I Local regulations regarding disposal. nd, any water course or sewage system.	: UN1210			
Do not allow product to reach groun ECTION 14: Transport infor	I Local regulations regarding disposal. nd, any water course or sewage system.	: UN1210 : PRINTING INK,flammable			
Do not allow product to reach groun ECTION 14: Transport infor 14.1. UN number	I Local regulations regarding disposal. nd, any water course or sewage system. Trmation DOT, TDG, IMO / IMDG, IATA / ICAO				
Do not allow product to reach groun ECTION 14: Transport infor 14.1. UN number 14.2. UN proper shipping name	I Local regulations regarding disposal. nd, any water course or sewage system. Imation DOT, TDG, IMO / IMDG, IATA / ICAO DOT, TDG, IMO / IMDG, IATA / ICAO				
Do not allow product to reach groun ECTION 14: Transport infor 14.1. UN number 14.2. UN proper shipping name	Local regulations regarding disposal. nd, any water course or sewage system. Imation DOT, TDG, IMO / IMDG, IATA / ICAO DOT, TDG, IMO / IMDG, IATA / ICAO DOT, TDG, IMO / IMDG, IATA / ICAO	: PRINTING INK,flammable	()		
Do not allow product to reach groun ECTION 14: Transport infor 14.1. UN number 14.2. UN proper shipping name	Local regulations regarding disposal. Ind, any water course or sewage system. Indexemption DOT, TDG, IMO / IMDG, IATA / ICAO DOT, TDG, IMO / IMDG, IATA / ICAO DOT, TDG, IMO / IMDG, IATA / ICAO . Class	: PRINTING INK,flammable : 3 (Flammable liquids.)			

- 14.6. Special precautions for user EMS Number 14.7. Transport in bulk according to Annex II of
 - MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

< USA Information >				
OSHA STATUS : This product is hazardous under 29 CFR 1910.1200.				
TSCA inventory : All components of this product are listed in the TSCA Inventory.				
TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : not Listed				
EPCRA Section 302 Extremely Hazardous Substances (EHS)	: not Listed			
EPCRA Section 313 Toxic Chemicals	: not Listed			
CERCLA Hazardous Substances	: not Listed			
CAA Section 112(r) List of Substances for Accidental Release Prevention	: not Listed			
California Proposition 65	: not Listed			
< Canada Information > This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR)				

and the SDS contains all the information required by the CPR.

Canada inventory : All components of this product are listed in the DSL/NDSL Inventory.

WHMIS Ingredient Disclosure List (SOR/88-64)

: not Listed

: F-E,S-D

: Not applicable.

(WHMIS : Canadian Workplace Hazardous Material Information System)

SECTION 16: Other information, including date of preparation or last revision

Last Revision Date:26.02.2014Preparation Date:02.04.2007



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

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.