

Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Artline

Xstamper

Revision Date : 26.02.2014 **SECTION 1: Product and Company Identification** 1.1. Product identifier : Jiffy Artline Paint Marker EK-400 Product Name Color : (Orange) 1.2. Recommended use of the chemical and restrictions on use Recommended use : Permanent marker ink 1.3. Details of the supplier of the safety data sheet **Company Name** Supplier : Jiffco International Ltd. : 835 - West 3rd Street North Vancouver , BC V7P 3K7 Canada Address Telephone : 604-980-2685 Fax : 604-980-8549 : sales@jiffco.net Contact (e-mail) Manufacturer Company Name : Shachihata Inc. Address : 4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan Telephone : +81-52-521-3600 Fax : +81-52-521-3899 Contact (e-mail) : 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 2.1.1 Classification of the substance or mixture

H225	: Highly flammable liquid and vapour
H304	: May be fatal if swallowed and enters airways
H315	: Causes skin irritation
H336	: May cause drowsiness or dizziness
H411	: Toxic to aquatic life with long lasting effects
	H304 H315 H336

2.1.2 Label elements

Hazard pictograms

				\sim	\checkmark	
Signal word	:	Danger			•	
Hazard statement	:	Highly flamma	able liquid and vap	our		(H225)
		May be fatal if	f swallowed and er	nters airways		(H304)
		Causes skin ir	rritation			(H315)
		May cause dro	owsiness or dizzin	ess		(H336)
		Toxic to aquat	tic life with long las	ting effects		(H411)
Precautionary statemer	nt					
(Prevention)						
Keep away from heat/sparks/open flames/hot surfaces No smoking. (P210)					(P210)	
Take precautionary measures against static discharge. (P				(P243)		
Avoid breathing dust/fume/gas/mist/vapours/spray.			(P261)			
Wear protective gloves/protective clothing/eye protection/face protection.			(P280)			
Wash hands thoroughly after handling. (P2					(P264)	
Use only outdoors or in a well-ventilated area. (P2					(P271)	
Avoid release to the	enviro	nment.				(P273)

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

[Response]		
In case of fire	: Use dry chemical powder, form or carbon dioxide for extinction.	(P370+P378)
IF SWALLOWE	ED : 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 comfortable	(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 rinsing.	
If eye irritation	persists : Get medical advice/attention.	(P337+P313)
IF ON SKIN (or	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	e vomiting.	(P331)
Collect spillage	е.	(P391)
[Storage]		
Store in a well-	-ventilated place. Keep container tightly closed.	(P403+P233)
【Disposal】		
Dispose of con	ntents/container to waste in accordance with	(P501)
local/region	nal/ national/international regulation (to be specified).	
2.1.3 Other hazard	ls	
Under United S	States Regulations (29 CFR 1910.1200 - Hazard Communication Standard),	
this product is	considered hazardous.	
Canada : Ac	ccording to WHMIS	
2.2.1 Classification	n of the substance or mixture	
Class B2	· Elammable Liquide	

2.2. Class B2 : Flammable Liquids

2.2.2 Label elements

2.2.3 Other hazards

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

2.3 Other information

Jiffy Artline Paint Marker FLAMMABILITY HEALTH 71 3 FLAMMABILITY 3 NFPA INSTABILITY/ HMIS 0 REACTIVITY HEALTH PHYSICAL HAZARD 0 PERSONAL PROTECTION

SECTION 3: Composition/information on ingredients

Substance/Mixture : Mixtu Ingredients :	re			
Chemical Name /	Composition	CAS	Classification (O	SHA HCS 2012)
Generic name	weight %	Registry No.	Hazard Class	Hazard statement
Isoparaffinic Hydrocarbon	45 ~ 55	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	1 ~ 10	13463-67-7	none	none
Organic pigment	1 ~ 10	Confidential	none	none
Synthetic resin	35 ~ 45	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 :	
A 11 <i>A</i> 1 A 1	

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 processions					

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
 : Keep containers tightly closed and store in a cool and dry place.

 areas and containers
 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

Canada Ontario Prov Titanium dioxide	incial TWA	10 mg/m ³			
Canada Quebec Prov					
Titanium dioxide	TWA	10 mg/m ³			
8.2. Exposure controls					
Personal protective equipm	ent				
Respiratory Protection	: Use with local exhaust ve	entilation, when in long use.			
	Avoid breathing vapours	Wear mask to prevent organi	c gas, if necessary.		
Hand Protection	: Avoid contact with hands	void contact with hands. Wear safety gloves, if necessary.			
Eye Protection	: Avoid contact with eyes.	void contact with eyes. Wear safety glasses, if necessary.			
Skin Protection	: Avoid skin contact. Wear	void skin contact. Wear personal protection apron,boots,if necessary.			
Environmental exposure controls					
General advice	: Prevent product from ent	ering drains.			
	Prevent further leakage	or spillage if safe to do so.			
	If the product contaminat	es rivers and lakes or drains ir	nform respective authorities.		

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and ch Appearance	emical properties : orange liquid
Odor	: minor solvent odor
рH	: 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 e	effects						
Acute toxicity	: LD/LC50 values that are relevant for classification						
	[Isoparaffinic Hydrocarbon]						
	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 irr	itation.				
Specific target organ toxicity single exposure	: Category 3	May cause dro	wsiness or dizziness.				
Carcinogenicity			ed by the IARC as Group 2B. RC, 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 degradability	: No data available
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.
•	ations
13.1. Waste treatment methods	
13.1. Waste treatment methods Disposal must be made according to offi	cial regulations.
ECTION 13: Disposal considera 13.1. Waste treatment methods Disposal must be made according to offic Comply with all Federal, State, and Loca Do not allow product to reach ground, ar	cial regulations. I regulations regarding disposal.

DOT, TDG, IMO / IMDG, IATA / ICAO

DOT, TDG, IMO / IMDG, IATA / ICAO

DOT, TDG, IMO / IMDG, IATA / ICAO

EMS Number

Marine pollutant

SECTION 15: Regulatory information

14.7. Transport in bulk according to Annex II of

MARPOL 73/78 and the IBC Code

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.5. Environmental hazards

14.6. Special precautions for user

14.4. Packing group

< 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

: PRINTING INK,flammable

3 (Flammable liquids.)

:

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: 11

: No

: F-E,S-D

: Not applicable.

· Class

· Label

(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.