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Shachihata

22128-XXXX

Artline Xstamper

Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 24.06.2015

SECTION 1: Identification

1.1. Product identifier

Product Name : Artline DRAWING SYSTEM Color : (Black)

EK-2305 , EK-231 , EK-232 , EK-233 , EK-234 ,

EK-235 , EK-236 , EK-237 , EK-238

1.2. Recommended use of the chemical and restrictions on use

Recommended use : Writing ink

1.3. Details of the supplier of the safety data sheet

Company Name : Shachihata Inc. (U.S.A.)
Address : 20775 S. Western Ave., Suite 105 Torrance, CA 90501 U.S.A.
Telephone : 1-800-541-9719
Fax : 1-800-541-7166
Contact (e-mail) : customerservice@xstamper.com

1.4. Emergency telephone number

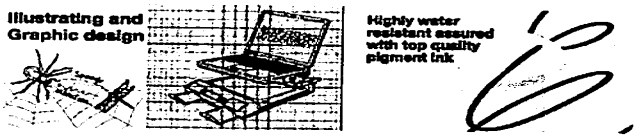
CHEMTREC 1-800-424-9300
(For Hazardous materials or dangerous goods incident,Spill, leak, fire, exposure or accident)

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

Not classified



2.1.2 Label elements

Hazard pictograms : none

Signal word : none

Hazard statement : none

Precautionary statement

【Prevention】

Wash hands thoroughly after handling. (P264)

【Response】

IF SWALLOWED : 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 for breathing. (P304+P340)

IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

If eye irritation persists : Get medical advice/attention. (P337+P313)

【Storage】

Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

【Disposal】

Dispose of contents/container to waste in accordance with local/regional/ national/international regulation (to be specified). (P501)

2.1.3 Other hazards

Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is not considered hazardous.

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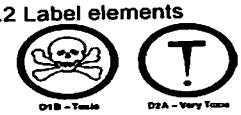
Canada : According to WHMIS

2.2.1 Classification of the substance or mixture

Class D-1B : Material causing immediate and serious toxic effects (Toxic). (ethane-1,2-diol)

Class D2A : Material causing other toxic effects (Very toxic).

2.2.2 Label elements

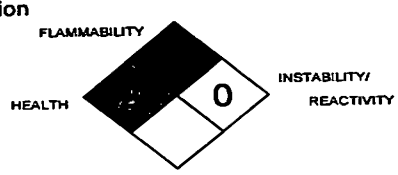


2.2.3 Other hazards

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

2.3 Other information

NFPA



HMIS

SECTION 3: Composition/information on ingredients

Substance/Mixture : Mixture

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Classification (OSHA HCS 2012)	
			Hazard Class	Hazard statement
Water	50 ~ 60	7732-18-5	none	none
ethane-1,2-diol (Ethylene Glycol)	10 ~ 20	107-21-1	Acute Tox.(oral) 4	H302
2,2'-oxydiethanol	1 ~ 10	111-46-6	Acute Tox.(oral) 4	H302
Carbon black	5 ~ 15	1333-86-4	none	none
Synthetic resin	1 ~ 10	Confidential	none	none
Others	5 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of 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.

Note to Physicians :

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 : none

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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 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, 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.

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 storage, including any incompatibilities

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)		
ethane-1,2-diol	STEL ceiling	100mg/m^3(H)
Carbon black	TWA	3 mg/m^3
OSHA PEL		
Carbon black	TWA	3.5 mg/m^3
Canada Ontario Provincial		
ethane-1,2-diol	STEL ceiling	100mg/m^3(H)
Carbon black		3.5 mg/m^3
Canada Quebec Provincial		
ethane-1,2-diol	C	50ppm
Carbon black	TWA	3.5 mg/m^3

8.2. Exposure controls

Personal protective equipment

Respiratory Protection : 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.

Environmental exposure controls

General advice : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: black liquid
Odor	: none
pH	: 8 ~ 11
Boiling point	: No data available
Flash point	: Not applicable
Relative Density (at 77 °F , 25 °C)	: 1.0 ~ 1.3 (g/cm^3)
Solubility in Water	: soluble

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, CO_2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : LD/LC50 values that are relevant for classification [ethane-1,2-diol] and [2,2'-oxydiethanol]

Oral-rat	LD50	>300 - <=2,000mg/kg
Dermal-rabbit	LD50	>5,000 mg/kg

Carcinogenicity : Carbon black has been classified by the IARC as Group 2B. Other materials not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

Regarding the carcinogenicity of carbon black, 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.

SECTION 12: Ecological information

12.1. Ecotoxicity	: No data available
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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

14.1. UN number	DOT, TDG, IMO / IMDG, IATA / ICAO	: none
14.2. UN proper shipping name	DOT, TDG, IMO / IMDG, IATA / ICAO	: none
14.3. Transport hazard class(es)	DOT, TDG, IMO / IMDG, IATA / ICAO	: none
14.4. Packing group	DOT, TDG, IMO / IMDG, IATA / ICAO	: none

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14.5. Environmental hazards	Marine pollutant	: No
14.6. Special precautions for user	EMS Number	: none
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		: Not applicable.

SECTION 15: Regulatory information

< USA Information >

OSHA STATUS : This product is not hazardous under 29 CFR 1910.1200.

TSCA STATUS : All components on 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	: Listed [ethane-1,2-diol]
CERCLA Hazardous Substances	: RQ 5000 pounds [ethane-1,2-diol]
CAA Section 112(r) List of Substances for Accidental Release Prevention	: not Listed
California Proposition 65	: Listed [Ethylene Glycol (ingested)]

< 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.

WHMIS Ingredient Disclosure List (SOR/88-64) : [ethane-1,2-diol]

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date : 24.06.2015

Preparation Date : 27.05.2015

RoHS ELV compliant

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.