

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS &amp; Canada WHMIS

Revision Date : 01.06.2015

**SECTION 1: Identification**

## 1.1. Product identifier

Product Name : Artline 300 Water Color Color : (Black)  
EK-300



## 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

**【Storage】**

Store in a well-ventilated place. Keep cool. (P403+P235)

**【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 not considered hazardous.

**Canada** : According to WHMIS

## 2.2.1 Classification of the substance or mixture

Not classified (ink)

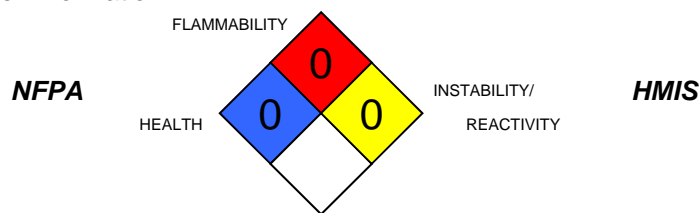
## 2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



Artline 300 Water Color	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

## 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	65 ~ 75	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : black liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 01.06.2015

**SECTION 1: Identification**

1.1. Product identifier

Product Name : Artline 300 Water Color EK-300  
 Color : (Red)



4974052 813740 RED

1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

**【Storage】**

Store in a well-ventilated place. Keep cool. (P403+P235)

**【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.

**Canada** : According to WHMIS

2.2.1 Classification of the substance or mixture

Not classified (ink)

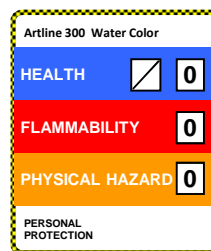
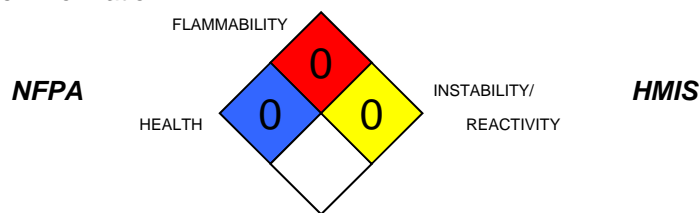
2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



## 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	65 ~ 75	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : red liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
 [1,2,3-Propanetriol]  
 Oral-rat LD50 12,600mg/kg  
 Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered  
 a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
 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**

## &lt; USA Information &gt;

OSHA STATUS : This product is not 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

## &lt; Canada Information &gt;

This product does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS &amp; Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

## 1.1. Product identifier

Product Name : Artline 300 Water Color                      Color : (Blue)  
 EK-300



## 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth.

(P301+P314+P330)

## 【Storage】

Store in a well-ventilated place. Keep cool.

(P403+P235)

## 【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 not considered hazardous.

**Canada** : According to WHMIS

## 2.2.1 Classification of the substance or mixture

Not classified (ink)

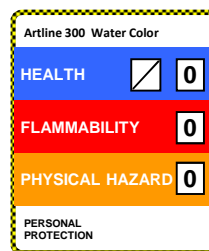
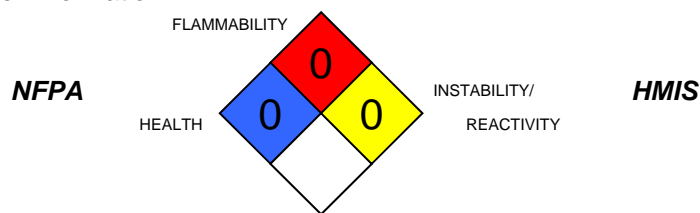
## 2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : blue liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification

[1,2,3-Propanetriol]

Oral-rat LD50 12,600mg/kg

Dermal-rabbit LD50 &gt;10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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

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**

## &lt; USA Information &gt;

OSHA STATUS : This product is not 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

## &lt; Canada Information &gt;

This product does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

### 1.1. Product identifier

Product Name : Artline 300 Water Color EK-300      Color : (Green)



### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

#### 【Storage】

Store in a well-ventilated place. Keep cool. (P403+P235)

#### 【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.

**Canada** : According to WHMIS

2.2.1 Classification of the substance or mixture  
Not classified (ink)

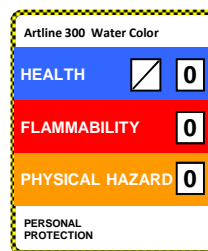
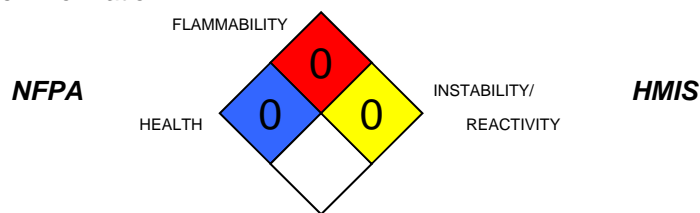
2.2.2 Label elements  
none



### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	: green liquid
Odor	: odorless
pH	: 7 ~ 9
Boiling point	: No data available
Flash point	: Not applicable
Relative Density (at 77 °F, 25 °C)	: 1.0 ~ 1.1 (g/cm <sup>3</sup> )
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

### 1.1. Product identifier

Product Name : Artline 300 Water Color  
EK-300  
Color : (Brown)



### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

#### 【Storage】

Store in a well-ventilated place. Keep cool. (P403+P235)

#### 【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 not considered hazardous.

**Canada** : According to WHMIS

### 2.2.1 Classification of the substance or mixture

Not classified (ink)

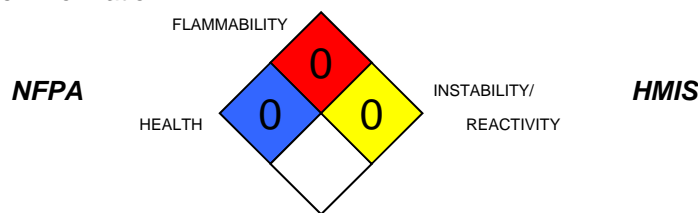
### 2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



Artline 300 Water Color	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : brown liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)



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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

### 1.1. Product identifier

Product Name : Artline 300 Water Color  
 EK-300  
 Color : (Orange)



### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

#### 【Storage】

Store in a well-ventilated place. Keep cool. (P403+P235)

#### 【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.

**Canada** : According to WHMIS

### 2.2.1 Classification of the substance or mixture

Not classified (ink)

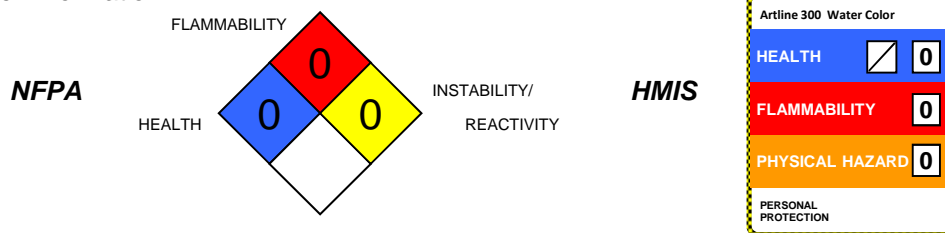
### 2.2.2 Label elements

none

2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

2.3 Other information



**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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	: orange liquid
Odor	: odorless
pH	: 7 ~ 9
Boiling point	: No data available
Flash point	: Not applicable
Relative Density (at 77 °F, 25 °C)	: 1.0 ~ 1.1 (g/cm <sup>3</sup> )
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.



# Safety Data Sheet



According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

### 1.1. Product identifier

Product Name : Artline 300 Water Color  
 Color : (Yellow)  
 EK-300



### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

##### 【Storage】

Store in a well-ventilated place. Keep cool. (P403+P235)

##### 【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 not considered hazardous.

**Canada** : According to WHMIS

### 2.2.1 Classification of the substance or mixture

Not classified (ink)

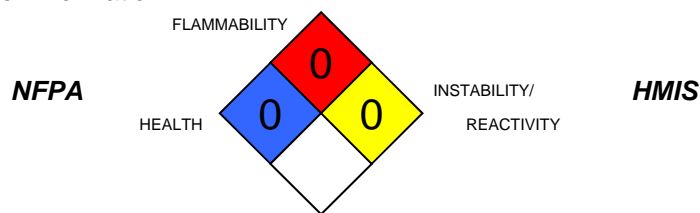
### 2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



Artline 300 Water Color	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : yellow liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS &amp; Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

## 1.1. Product identifier

Product Name : Artline 300 Water Color                      Color : (Purple)  
 EK-300



## 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

## 【Storage】

Store in a well-ventilated place. Keep cool. (P403+P235)

## 【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 not considered hazardous.

**Canada** : According to WHMIS

## 2.2.1 Classification of the substance or mixture

Not classified (ink)

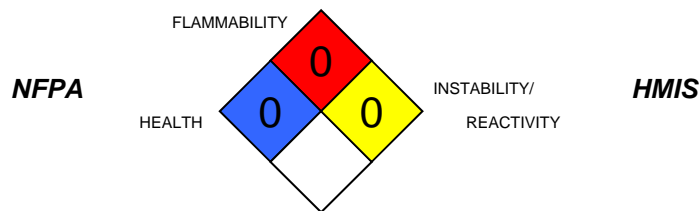
## 2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



Artline 300 Water Color	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : purple liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.



# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS & Canada WHMIS

Revision Date : 01.06.2015

**SECTION 1: Identification**

1.1. Product identifier

Product Name : Artline 300 Water Color      Color : (Light blue)  
EK-300



1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)
- 【Storage】**
- Store in a well-ventilated place. Keep cool. (P403+P235)
- 【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 not considered hazardous.

**Canada** : According to WHMIS

2.2.1 Classification of the substance or mixture

Not classified (ink)

2.2.2 Label elements

none

2.2.3 Other hazards

In Canada, the product mentioned above is not 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : light blue liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification

[1,2,3-Propanetriol]

Oral-rat LD50 12,600mg/kg

Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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

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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS &amp; Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

## 1.1. Product identifier

Product Name : Artline 300 Water Color      Color : (Yellow green)  
 EK-300



## 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth.

(P301+P314+P330)

## 【Storage】

Store in a well-ventilated place. Keep cool.

(P403+P235)

## 【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 not considered hazardous.

**Canada** : According to WHMIS

## 2.2.1 Classification of the substance or mixture

Not classified (ink)

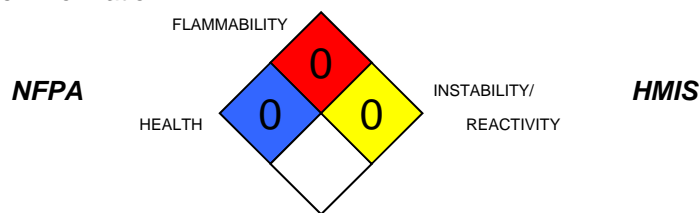
## 2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



Artline 300 Water Color	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : yellow green liquid  
Odor : odorless  
pH : 7 ~ 9  
Boiling point : No data available  
Flash point : Not applicable  
Relative Density (at 77 °F, 25 °C) : 1.0 ~ 1.1 (g/cm<sup>3</sup>)  
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS &amp; Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

## 1.1. Product identifier

Product Name : Artline 300 Water Color      Color : (Pink)  
 EK-300



## 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth.

(P301+P314+P330)

## 【Storage】

Store in a well-ventilated place. Keep cool.

(P403+P235)

## 【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 not considered hazardous.

**Canada** : According to WHMIS

## 2.2.1 Classification of the substance or mixture

Not classified (ink)

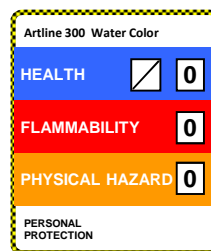
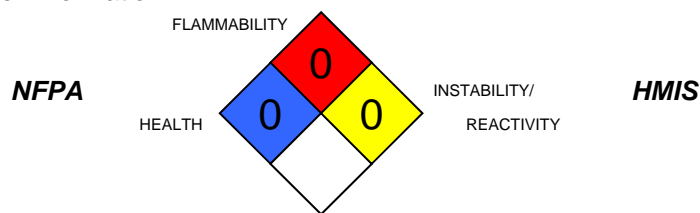
## 2.2.2 Label elements

none

### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	: pink liquid
Odor	: odorless
pH	: 7 ~ 9
Boiling point	: No data available
Flash point	: Not applicable
Relative Density (at 77 °F, 25 °C)	: 1.0 ~ 1.1 (g/cm <sup>3</sup> )
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<sub>2</sub>**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification

[1,2,3-Propanetriol]

Oral-rat LD50 12,600mg/kg

Dermal-rabbit LD50 &gt;10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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

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**

## &lt; USA Information &gt;

OSHA STATUS : This product is not 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

## &lt; Canada Information &gt;

This product does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.

# Safety Data Sheet

According to OSHA 29 CFR 1910.1200 HCS &amp; Canada WHMIS

Revision Date : 01.06.2015

## SECTION 1: Identification

## 1.1. Product identifier

Product Name : Artline 300 Water Color      Color : (Ochre)  
 EK-300



## 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Water marker 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](mailto: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 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 SWALLOWED

: Get medical advice/attention if you feel unwell. Rinse mouth.

(P301+P314+P330)

## 【Storage】

Store in a well-ventilated place. Keep cool.

(P403+P235)

## 【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 not considered hazardous.

**Canada** : According to WHMIS

## 2.2.1 Classification of the substance or mixture

Not classified (ink)

## 2.2.2 Label elements

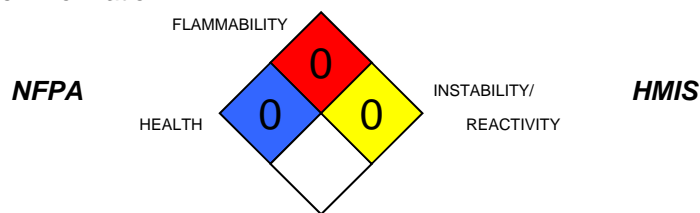
none



### 2.2.3 Other hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS)

### 2.3 Other information



Artline 300 Water Color	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

## 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	70 ~ 80	7732-18-5	none	none
1,2,3-Propanetriol	15 ~ 25	56-81-5	none	none
Dyestuff	1 ~ 10	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

### 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 : 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)	Not listed	
OSHA PEL		
1,2,3-Propanetriol	TWA	15 mg/m <sup>3</sup>
Canada Ontario Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>
Canada Quebec Provincial		
1,2,3-Propanetriol	TWA	10 mg/m <sup>3</sup>

### 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.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	: ochre liquid
Odor	: odorless
pH	: 7 ~ 9
Boiling point	: No data available
Flash point	: Not applicable
Relative Density (at 77 °F, 25 °C)	: 1.0 ~ 1.1 (g/cm <sup>3</sup> )
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<sub>2</sub>

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : LD/LC50 values that are relevant for classification  
[1,2,3-Propanetriol]  
Oral-rat LD50 12,600mg/kg  
Dermal-rabbit LD50 >10,000mg/kg

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP .

**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  
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 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 does not have 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) : none

(WHMIS : Canadian Workplace Hazardous Material Information System)

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

Last Revision Date :  
Preparation Date : 01.06.2015



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.