

Safety Data Sheet

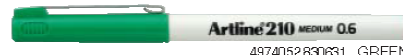
according to Regulation (EC) No 1907/2006

Revision Date : 14th Jun. 2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name : Artline 200, 210, 220 Colour : (Green)
 EK-200N, EK-210N, EK-220N



1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Writing ink



1.3. Details of the supplier of the safety data sheet

Supplier Company Name : Shachihata (Europe) Limited
 Address : Unit 8, Ashville Way, Sutton Weaver, Runcorn, Cheshire, WA7 3EZ, England
 Telephone : 0870 600 5 006
 Fax : 0871 200 5 006
 Contact (e-mail) : www.artline-xstamper.com

Manufacturer Company Name : Shachihata Inc.
 Address : 4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan
 Telephone : +81-52-521-3600
 Fax : +81-52-521-3899
 Contact (e-mail) : chem-analysis@ngy.shachihata.co.jp

1.4. Emergency telephone number

Telephone: 0870 600 5 006

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification (REGULATION (EC) No 1272/2008)

Not classified (ink)

2.2. Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : none
 Signal word : none
 Hazard statement : none



Precautionary statement

【Prevention】

Wash hands thoroughly after handling.

【Response】

IF SWALLOWED : Get medical advice and attention if you feel unwell. Rinse mouth.

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 and attention.

【Storage】

Store in a well-ventilated place. Keep container tightly closed.

【Disposal】

Dispose of contents and container in accordance with local regulations.

(P264)

(P301+P314+P330)

(P305+P351+P338)

(P337+P313)

(P403+P233)

(P501)

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS-No. EC-No. Index	Classification (REGULATION (EC) No 1272/2008)	
			Hazard Class	Hazard statement
Water	60 ~ 70	7732-18-5 231-791-2	none	none
Ethane-1,2-diol	10 ~ 20	107-21-1 203-473-3	Acute Tox.(oral) 4	H302
2,2'-oxydiethanol	5 ~ 15	111-46-6 203-872-2	Acute Tox.(oral) 4	H302

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.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide
- Unsuitable extinguishing media : Water jet

5.2. Special hazards arising from the substance or mixture

- For initial stage extinction, carbon dioxide or dry chemical powder.
- When a fire extends, fire is extinguished by a large amount of water spray.
- Do not discharge extinguishing waters into the aquatic environment.

5.3. Advice for firefighters

- In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

- Evacuate personnel to safe area. Shut off all sources of ignition.
- No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental 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

DIRECTIVE 2000/39/EC

Ethane-1,2-diol TWA 20ppm

EH40/2005 Workplace exposure limits

Ethane-1,2-diol TWA 20ppm

2,2'-oxydiethanol TWA 23ppm

ACGIH (2017)

Ethane-1,2-diol TWA 25 ppm (V) (Vapor and Aerosol)

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
- Odour : none
- pH : 7 ~ 9
- Boiling point : 100 ~ 245 °C
- Flash point : Not applicable
- Relative Density (at 25 °C) : 1.0 ~ 1.2 (g/cm³)
- Solubility in Water : soluble

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products

CO, CO₂

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

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

[Ethane-1,2-diol]

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

Dermal-rabbit LD50 >5,000 mg/kg

[2,2'-oxydiethanol]

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

Dermal-rabbit LD50 >5,000 mg/kg

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

SECTION 12: Ecological information

- 12.1. Toxicity** : 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. Results of PBT and vPvB assessment : No data available
12.6. Other adverse effects : No data available

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, ADR, IMDG, IATA : none
14.2. UN proper shipping name DOT, ADR, IMDG, IATA : none
14.3. Transport hazard class(es) DOT, ADR, IMDG, IATA : none
14.4. Packing group DOT, ADR, IMDG, IATA : none
14.5. Environmental hazards Marine pollutant : No
14.6. Special precautions for user EMS Number : none

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

< EU Information >

Regulation (EC) No 1272/2008 (CLP)

Substance name : [Ethane-1,2-diol]

Hazard Class & Category : Acute toxicity - Oral, Category 4

Symbols : GHS07

Signal word : Warning

Hazard statements : H302 Harmful if swallowed

Substance name : [2,2'-oxydiethanol]

Hazard Class & Category : Acute toxicity - Oral, Category 4

Symbols : GHS07

Signal word : Warning

Hazard statements : H302 Harmful if swallowed

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

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information



EU RoHS Directive(2011/65/EC)
ELV Directive(2000/53/EC)

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 are 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.