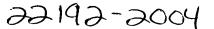
(ISO11014:2009)(Shachihata Inc.) (EK-95\_ash\_d) 1/5





# **Artline Xstamper**

# Safety Data Sheet

(MSDS)

Issued Date : May 16,2008 Revised Date March 22.2013

#### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

: Artline FURNITURE Marker **Product Name** 

EK-95

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

**Emergency Call** +81-52-521-3600 (Shachihata Inc. [Japan])

Recommended use : Permanent marker ink



#### SECTION 2 HAZARDS IDENTIFICATION

# **GHS** Classification

Physical Hazards

Flammable liquids

**Health Hazards** 

Serious eye damage /eye irritation

Specific target organ toxicity; single exposure

(narcotic effects)

Category 2

Category 1 Category 3



Hazardous to the aquatic environment (acute) Hazardous to the aquatic environment (chronic)

Hazardous to the ozone layer

Classification not possible Classification not possible Classification not possible

#### LABEL ELEMENTS

Symbols







Signal word

Hazard statement Highly flammable liquid and vapour (H225)

> Causes serious eye damage (H318) May cause drowsiness or dizziness (H336)

## Precautionary statement

[Prevention]

Keep away from heat/sparks/open flames/hot surfaces. · No smoking. (P210) Take precautionary measures against static discharge. (P243) Wear protective gloves/protective clothing/eye protection/face protection. (P280) Avoid breathing dust/fume/gas/mist/vapours/spray. (P261) Use only outdoors or in a well-ventilated area. (P271) Wash hands thoroughly after handling. (P264)

[Response]

If skin irritation occurs

Item Numbers: 22192-2004

In case of fire : Use dry chemical powder, form or carbon dioxide for extinction. (P370+P378) IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable (P304+P340)

for breathing.

IF IN EYES : Rinse cautiously with water for several minutes. (P305+P351+P338)

Remove contact lenses, if present and easy to do. Continue rinsing.

If eve irritation persists : Get medical advice/attention (P337+P313) IF ON SKIN (or hair) : Remove/Take off immediately all contaminated clothing. (P303+P361+P353)

> Rinse skin with water/shower. (P332+P313)Page 1 of 20 : Get medical advice/attention.

[ISO11014:2009][Shachihata Inc.] [EK-95\_ash\_d] 2/5

IF SWALLOWED : Get medical advice/attention if you feel unwell.Rinse mouth. (P301+P314+P330)

[Storage]

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

[Disposal]

Dispose of contents/container to waste in accordance with (P501)

local/regional/ national/international regulation (to be specified).

# SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture	:	Mixture
Ingredients		

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethanol	45~55	64-17-5	Flam.Liq. 2	H225
1-methoxypropan-2-ol	20~30	107-98-2	Flam.Liq. 3 STOT.SE. 3	H226 H336
Ethyl lactate	5~15	97-64-3	Flam.Liq. 3 Eye Irrit. 1 STOT.SE. 3	H226 H318 H335
Synthetic resin	10~20	Confidential	none	none
Dyestuff	<1	Confidential	none	none
total	100			

# SECTION 4 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 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Dry chemical powder, foam or carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA : Water jet

SPECIFIC EXTINCTION METHOD

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.

#### SPECIAL PROTECTIVE FOR FIRE- FIGHTERS

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

# 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.

#### **ENVIRONMENTAL PRECAUTIONS**

Do not throw the leakage thing directly into environment.

## METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc.,

then place in a chemical waste containers.

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

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

[ISO11014:2009](Shachihata Inc.] (EK-95\_ash\_d) 3/5

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources)

# SECTION 7 HANDLING AND STORAGE

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.

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

Keep away from heat and flame, ignition source and sunlight.

Keep out of the reach of children.

# SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

# OCCUPATIONAL EXPOSURE LIMIT

ACGIH (2012)

Ethanol STEL 1000ppm 1-methoxypropan-2-ol TWA 100ppm

OSHA PEL

Ethanol TWA 1000ppm

DIRECTIVE 2000/39/EC

1-methoxypropan-2-ol TWA 100ppm

Japan Society for Occupational Health (2012) none

# PERSONAL PROTECTION

: Respiratory Protection

Use with local exhaust ventilation, when in long use.

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.

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : ash color liquid

Odour : minor solvent odour

pH : Not applicable

Boiling point : No data available

Flash point : 16.5 °C (closed cup)

Relative Density (at 25°C) : 0.85 · 0.95 (g/cm³)

Solubility in Water : Insoluble

# SECTION 10 STABILITY AND REACTIVITY

Stability : Stable under normal handling.

Conditions to Avoid : High temperature, Direct sunlight, Fire

Incompatible Materials : Strong oxidising agents

Hazardous Decomposition Products : CO, CO<sub>2</sub>

# SECTION 11 TOXICOLOGICAL INFORMATION

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

[Ethanol]

Oral-rat LD50 7,060mg/kg
Inhalation-rat LC50 20,000ppm/10h
[1-methoxypropan-2-ol]

 Oral-rat
 LD50
 >5,000mg/kg

 Dermal-rabbit
 LD50
 13,000mg/kg

Item Numbers: 22192-2004 Inhalation rat LC50 >7,559ppm/6h

Page 3 of 20

[ISO11014:2009][Shachihata Inc.] [EK-95\_ash\_d] 4/5

[Ethyl lactate]

 Oral-rat
 LD50
 2,500mg/kg

 Inhalation-rat
 LC50
 >5,400mg/m³/8H

Serious eye damage /eye irritation : Category 1 Causes serious eye damage

Specific target organ toxicity : Category 3 May cause drowsiness or dizziness

(single exposure)

Carcinogenicity : Not listed by IARC, EPA, EU, NTP.

## SECTION 12 ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute)

Classification not possible

Hazardous to the aquatic environment (chronic)

Classification not possible

Classification not possible

Classification not possible

# SECTION 13 DISPOSAL CONSIDERATIONS

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

UN number (DOT, ADR, IMDG, IATA) : UN1210

UN proper shipping name (DOT, ADR, IMDG, IATA) : PRINTING INK ,flammable

UN Classification : 3
Packing group (DOT, ADR, IMDG, IATA) : II

Marine pollutant (Y/N) : N
EmS number : F-E,S-D

## SECTION 15 REGULATORY INFORMATION

< EU Information >

Regulation (EC) No 1272/2008 (CLP)

Substance name : [Ethanol]

Hazard Class & Category Flammable liquids, Category 2

Symbols : GHS02 Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour

Substance name : [1-methoxypropan-2-ol]
Hazard Class & Category : Flammable liquids, Category 3

Specific target organ toxicity - single exposure, Category 3

Symbols : GHS02,GHS07 Signal word : Warning

Hazard statements H226 Flammable liquid and vapour

H336 May cause drowsiness or dizziness

Substance name [Ethyl lactate]

Hazard Class & Category Flammable liquids, Category 3

Eye irritation, Category 1

Specific target organ toxicity: single exposure, Category 3

Symbols GHS02,GHS07,GHS05

Signal word : Danger

Hazard statements H226 Flammable liquid and vapour
H318 Causes serious eye damage

H318 Causes serious eye damage H335 May cause respiratory irritation

Directive 67/548/EEC or 1999/45/EC

Hazard designation

Substance name : [Ethanol]
Classification : F; R11

R-Phrase : R11 Highly flammable.

S-Phrase : S2 Keep out of the reach of children.
S7 Keep container tightly closed.

\$16 Keep away from sources of ignition No smoking.

# [ISO11014:2009][Shachihata Inc.] (EK-95\_ash\_d] 5/5

Symbols and indications of danger specific F: Highly flammable

Hazard designation

Substance name [1-methoxypropan-2-ol]

Classification : R10 - R67

R-Phrase : R10 Flammable

R67 Vapours may cause drowsiness and dizziness.

S-Phrase S2 Keep out of the reach of children.

Symbols and indications of danger specific none

Hazard designation

Substance name : [Ethyl lactate]
Classification : R10 · Xi; R37-41
R-Phrase : R10 · Flammable.

R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
S2 Keep out of the reach of children

S-Phrase S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice. Wear eye/face protection.

Symbols and indications of danger specific Xi : Irritant

< USA Information >

OSHA STATUS: This product is hazardous under 29 CFR 1910.1200.

TSCA STATUS: All components on TSCA INVENTORY.

TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : not Listed CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : not Listed SARA TITLE III Section 313 (40 CFR 372) : not Listed California Proposition 65 (Chemicals known to cause cancer) : not Listed

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

# SECTION 16 OTHE

# **OTHER INFORMATION**



EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC)
This product not contain lead.mercury. cadmium, hexavalent chromium,
polybromiated 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.

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# **Artline** Xstamper

# Safety Data Sheet

(MSDS)

Issued Date : May 16.2008 Revised Date : March 22.2013

THE STATE OF THE S

(H225)

(P271)

(P305+P351+P338)

#### SECTION I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

: Artline FURNITURE Marker (Beech) **Product Name** 

EK-95

: Shachihata Inc. Company Name

Address 4-69, Amazuka cho, Nishi-ku, Nagoya City, 451-0021, Japan

+81-52-521-3600 Telephone Fax +81-52-521-3899

Emergency Call +81-52-521-3600 (Shachihata Inc. [Japan])

: Permanent marker ink Recommended use

#### **SECTION 2** HAZARDS IDENTIFICATION

#### **GHS** Classification

Physical Hazards

Flammable liquids

Health Hazards

Serious eye damage /eye irritation

Specific target organ toxicity; single exposure

Category 2

Category 1 Category 3 (narcotic effects)

**Environmental Hazards** 

Hazardous to the aquatic environment (acute) Hazardous to the aquatic environment (chronic)

Hazardous to the ozone laver

Classification not possible Classification not possible Classification not possible

#### LABEL ELEMENTS

Symbols

Item Numbers: 22192-2004







Signal word

Hazard statement Highly flammable liquid and vapour

(H318) Causes serious eye damage (H336) May cause drowsiness or dizziness

## Precautionary statement

[Prevention]

(P210) Keep away from heat/sparks/open flames/hot surfaces. - No smoking. (P243) Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. (P280) Avoid breathing dust/fume/gas/mist/vapours/spray. (P261)

Use only outdoors or in a well-ventilated area.

(P264) Wash hands thoroughly after handling.

[Response]

(P370+P378) In case of fire : Use dry chemical powder, form or carbon dioxide for extinction. (P304+P340) IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

: Get medical advice/attention. (P337+P313) If eye irritation persists IF ON SKIN (or hair) : Remove/Take off immediately all contaminated clothing. (P303+P361+P353)

Rinse skin with water/shower.

(P332+P313) Page 6 of 20 If skin irritation occurs : Get medical advice/attention.

(ISO11014:2009)(Shachihata Inc.) (EK-95\_beech\_d) 2/5

IF SWALLOWED : Get medical advice/attention if you feel unwell.Rinse mouth. (P301+P314+P330)

[Storage]

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

[Disposal]

Dispose of contents/container to waste in accordance with (P501)

local/regional/ national/international regulation (to be specified).

# SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

Ingredients

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethanol	45~55	64-17-5	Flam.Liq. 2	H225
1-methoxypropan-2-ol	20~30	107-98-2	Flam.Liq. 3 STOT.SE. 3	H226 H336
Ethyl lactate	5~15	97-64-3	Flam.Liq. 3 Eye Irrit. 1 STOT.SE. 3	H226 H318 H335
Synthetic resin	10~20	Confidential	none	none
Dyestuff	<1	Confidential	none	none
total	100			

#### SECTION 4 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 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Dry chemical powder, foam or carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA : Water jet

SPECIFIC EXTINCTION METHOD

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.

# SPECIAL PROTECTIVE FOR FIRE- FIGHTERS

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

#### 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.

#### ENVIRONMENTAL PRECAUTIONS

Do not throw the leakage thing directly into environment.

## METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc.,

then place in a chemical waste containers.

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

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

SECONDARY ACCIDENT PREVENTION MEASURE

[ISO11014:2009][Shachihata Inc.] [EK-95\_beech\_d] 3/5

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources)

## SECTION 7 HANDLING AND STORAGE

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.

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

Keep away from heat and flame, ignition source and sunlight.

Keep out of the reach of children.

# SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMIT

ACGIH (2012)

Ethanol STEL 1000ppm 1-methoxypropan-2-ol TWA 100ppm

OSHA PEL

Ethanol TWA 1000ppm

DIRECTIVE 2000/39/EC

1-methoxypropan-2-ol TWA 100ppm

Japan Society for Occupational Health (2012) none

# PERSONAL PROTECTION

: Respiratory Protection

Use with local exhaust ventilation, when in long use.

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.

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

 Appearance
 beech color liquid

 Odour
 minor solvent odour

 pH
 Not applicable

 Boiling point
 No data available

 Flash point
 16.5 °C (closed cup)

 Relative Density (at 25°C)
 0.85 · 0.95 (g/cm³)

Solubility in Water Insoluble

# SECTION 10 STABILITY AND REACTIVITY

Stability : Stable under normal handling.

Conditions to Avoid High temperature, Direct sunlight, Fire

Incompatible Materials Strong oxidising agents

Hazardous Decomposition Products : CO, CO<sub>2</sub>

## SECTION 11 TOXICOLOGICAL INFORMATION

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

[Ethanol]

Oral rat LD50 7,060mg/kg Inhalation rat LC50 20,000ppm/10h

[1-methoxypropan-2-ol]

Item Numbers: 22192-2004 Page 8 of 20

(ISO11014:2009)(Shachihata Inc.) (EK-95\_beech\_d) 4/5

(Ethyl lactate)

 Oral-rat
 LD50
 2,500mg/kg

 Inhalation-rat
 LC50
 >5,400mg/m³/8H

Serious eye damage /eye irritation : Category 1 Causes serious eye damage

Specific target organ toxicity : Category 3 May cause drowsiness or dizziness

(single exposure)

Carcinogenicity : Not listed by IARC, EPA, EU, NTP.

# SECTION 12 ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute)

: Classification not possible

Hazardous to the aquatic environment (chronic)

: Classification not possible

Hazardous to the ozone layer

: Classification not possible

### SECTION 13 DISPOSAL CONSIDERATIONS

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

UN number (DOT, ADR, IMDG, IATA) UN1210

UN proper shipping name (DOT, ADR, IMDG, IATA) : PRINTING INK, flammable

UN Classification : 3
Packing group (DOT, ADR, IMDG, IATA) : II

Marine pollutant (Y/N) : N
EmS number : F-E,S-D

#### SECTION 15 REGULATORY INFORMATION

< EU Information >

Regulation (EC) No 1272/2008 (CLP)

Substance name : [Ethanol]
Hazard Class & Category : Flammable liquids, Category 2

Symbols GHS02 Signal word Danger

Hazard statements : H225 Highly flammable liquid and vapour

Substance name [1-methoxypropan-2-ol]

Hazard Class & Category Flammable liquids, Category 3

Specific target organ toxicity - single exposure, Category 3

Symbols GHS02,GHS07

Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour

H336 May cause drowsiness or dizziness

Substance name [Ethyl lactate]

Hazard Class & Category : Flammable liquids, Category 3

Eye irritation, Category 1

Specific target organ toxicity - single exposure, Category 3

Symbols : GHS02,GHS07,GHS05

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour H318 Causes serious eye damage

H335 May cause respiratory irritation

Directive 67/548/EEC or 1999/45/EC

Hazard designation

Substance name : [Ethanol]
Classification : F; R11

R-Phrase : R11 Highly flammable.

S-Phrase S2 Keep out of the reach of children.
S7 Keep container tightly closed.

\$16 Keep away from sources of ignition - No smokin

Item Numbers: 22192-2004 Page 9 of 20

#### (ISO11014:2009)(Shachihata Inc.) (EK-95\_beech\_d) 5/5

Symbols and indications of danger specific F: Highly flammable

Hazard designation

Substance name : [1-methoxypropan-2-ol]

Classification R10 · R67

R-Phrase R10 Flammable.

R67 Vapours may cause drowsiness and dizziness.

S-Phrase : S2 Keep out of the reach of children.

Symbols and indications of danger specific none

Hazard designation

Substance name : [Ethyl lactate]
Classification : R10 · Xi; R37-41
R-Phrase : R10 Flammable.

R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice. Wear eye/face protection.

Symbols and indications of danger specific Xi: Irritant

< USA Information >

S-Phrase

OSHA STATUS: This product is hazardous under 29 CFR 1910.1200.

S39

TSCA STATUS: All components on TSCA INVENTORY.

TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : not Listed CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : not Listed SARA TITLE III Section 313 (40 CFR 372) : not Listed California Proposition 65 (Chemicals known to cause cancer) : not Listed

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

# SECTION 16

#### OTHER INFORMATION



EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC)
This product not contain lead,mercury, cadmium, hexavalent chromium,
polybromiated 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.

Item Numbers: 22192-2004 Page 10 of 20

[ISO11014:2009](Shachihata Inc.) (EK-95\_birchbrown\_d) 1/5



# **Artline** Xstamper

# Safety Data Sheet

(MSDS)

Issued Date : May 16,2008 Revised Date March 22,2013

#### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : Artline FURNITURE Marker (Birchbrown)

EK-95

Company Name : Shachihata Inc.

: 4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan Address

Telephone +81.52.521.3600 Fax +81-52-521-3899

**Emergency Call** +81-52-521-3600 (Shachihata Inc. [Japan])

Recommended use Permanent marker ink



(H225)

(P264)

(P337+P313)

#### SECTION 2 HAZARDS IDENTIFICATION

## **GHS** Classification

Physical Hazards

Flammable liquids

**Health Hazards** 

Serious eye damage /eye irritation

Specific target organ toxicity; single exposure

Category 2

Category 1 Category 3 (narcotic effects)

**Environmental Hazards** 

Hazardous to the aquatic environment (acute) Hazardous to the aquatic environment (chronic)

Hazardous to the ozone layer

Classification not possible Classification not possible Classification not possible

#### LABEL ELEMENTS

Symbols

Item Numbers: 22192-2004







Signal word

Hazard statement Highly flammable liquid and vapour

Causes serious eye damage (H318) (H336) May cause drowsiness or dizziness

## Precautionary statement

[Prevention]

Keep away from heat/sparks/open flames/hot surfaces. · No smoking. (P210) Take precautionary measures against static discharge. (P243) Wear protective gloves/protective clothing/eye protection/face protection. (P280) Avoid breathing dust/fume/gas/mist/vapours/spray. (P261) Use only outdoors or in a well-ventilated area. (P271)

Wash hands thoroughly after handling. [Response]

If skin irritation occurs

In case of fire : Use dry chemical powder, form or carbon dioxide for extinction. (P370+P378) IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable (P304+P340)

for breathing.

IF IN EYES : Rinse cautiously with water for several minutes.

(P305+P351+P338)

Remove contact lenses, if present and easy to do. Continue rinsing. If eve irritation persists : Get medical advice/attention.

IF ON SKIN (or hair) : Remove/Take off immediately all contaminated clothing. (P303+P361+P353)

Rinse skin with water/shower

(P332+P313)Page 11 of 20 : Get medical advice/attention.

[ISO11014:2009][Shachihata Inc.] [EK-95\_birchbrown\_d] 2/5

IF SWALLOWED : Get medical advice/attention if you feel unwell.Rinse mouth. (P301+P314+P330)

[Storage]

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

[Disposal]

Dispose of contents/container to waste in accordance with (P501)

local/regional/ national/international regulation (to be specified).

# SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture Ingredients :

Chemical Name /	Composition	CAS	Hazard Class	Hazard statement
Generic name	weight %	Registry No.	(category)	
Ethanol	40~50	64-17-5	Flam.Liq. 2	H225
1-methoxypropan-2-ol	20~30	107-98-2	Flam.Liq. 3 STOT.SE. 3	H226 H336
Ethyl lactate	5~15	97-64-3	Flam.Liq. 3 Eye Irrit. 1 STOT.SE. 3	H226 H318 H335
Synthetic resin	10~20	Confidential	none	none
Dyestuff	1~10	Confidential	none	none
total	100			

# SECTION 4 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 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Dry chemical powder, foam or carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA : Water jet

SPECIFIC EXTINCTION METHOD

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.

#### SPECIAL PROTECTIVE FOR FIRE- FIGHTERS

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

# 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.

# ENVIRONMENTAL PRECAUTIONS

Do not throw the leakage thing directly into environment.

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc.,

then place in a chemical waste containers.

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

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

(ISO11014:2009)(Shachihata Inc.) (EK-95\_birchbrown\_d) 3/5

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources)

## SECTION 7 HANDLING AND STORAGE

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.

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

Keep away from heat and flame, ignition source and sunlight.

Keep out of the reach of children.

# SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

# OCCUPATIONAL EXPOSURE LIMIT

ACGIH (2012)

Ethanol STEL 1000ppm 1-methoxypropan·2-ol TWA 100ppm

OSHA PEL

Ethanol TWA 1000ppm

DIRECTIVE 2000/39/EC

1-methoxypropan-2-ol TWA 100ppm

Japan Society for Occupational Health (2012) none

# PERSONAL PROTECTION

Solubility in Water

Item Numbers: 22192-2004

Respiratory Protection

Use with local exhaust ventilation, when in long use.

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.

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance birchbrown color liquid

Odour minor solvent odour

pH Not applicable

Boiling point No data available

Flash point 16.5 °C (closed cup)

Relative Density (at 25°C) 0.85 · 0.95 (g/cm³)

# SECTION 10 STABILITY AND REACTIVITY

Stability Stable under normal handling.

Conditions to Avoid : High temperature, Direct sunlight, Fire

Incompatible Materials : Strong oxidising agents

Hazardous Decomposition Products : CO, CO<sub>2</sub>

# SECTION 11 TOXICOLOGICAL INFORMATION

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

(Ethanol) Oral-ra

 Oral-rat
 LD50
 7,060mg/kg

 Inhalation-rat
 LC50
 20,000ppm/10h

[1-methoxypropan-2-ol]

 Oral-rat
 LD50
 >5,000mg/kg

 Dermal-rabbit
 LD50
 13,000mg/kg

Inhalation-rat LC50 >7,559ppm/6h

: Insoluble

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[ISO11014:2009] (Shachihata Inc.] (EK-95\_birchbrown\_d) 4/5

[Ethyl lactate]

LD50 Oral-rat 2,500mg/kg Inhalation-rat LC50  $>5,400 \text{mg/m}^3/8 \text{H}$ 

Serious eye damage /eye irritation : Category 1 Causes serious eye damage

Specific target organ toxicity : Category 3 May cause drowsiness or dizziness

(single exposure)

Carcinogenicity : Not listed by IARC, EPA, EU, NTP.

#### SECTION 12 **ECOLOGICAL INFORMATION**

Hazardous to the aquatic environment (acute) : Classification not possible Hazardous to the aquatic environment (chronic) : Classification not possible Hazardous to the ozone layer Classification not possible

#### SECTION 13 DISPOSAL CONSIDERATIONS

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

UN number (DOT, ADR, IMDG, IATA) : UN1210

UN proper shipping name (DOT, ADR, IMDG, IATA) : PRINTING INK ,flammable

**UN Classification** : 3 Packing group (DOT, ADR, IMDG, IATA) : 11

Marine pollutant (Y/N) : N EmS number : F-E,S-D

SECTION 15

## REGULATORY INFORMATION

# < EU Information >

Regulation (EC) No 1272/2008 (CLP)

Substance name (Ethanol)

Hazard Class & Category Flammable liquids, Category 2

Symbols GHS02 Signal word Danger

Hazard statements : H225 Highly flammable liquid and vapour

Substance name : [1-methoxypropan-2-ol] Hazard Class & Category Flammable liquids, Category 3

Specific target organ toxicity - single exposure, Category 3

Symbols GHS02,GHS07

Signal word Warning

Hazard statements H226 Flammable liquid and vapour H336 May cause drowsiness or dizziness

Substance name : [Ethyl lactate]

Hazard Class & Category Flammable liquids, Category 3

Eye irritation, Category 1

Specific target organ toxicity - single exposure, Category 3

Symbols GHS02,GHS07,GHS05

Signal word Danger

Hazard statements H226 Flammable liquid and vapour H318

Causes serious eye damage H335 May cause respiratory irritation

# Directive 67/548/EEC or 1999/45/EC

Hazard designation

[Ethanol] Substance name Classification F; R11

R-Phrase : R11 Highly flammable.

S-Phrase : S2 Keep out of the reach of children. **S7** Keep container tightly closed.

<del>S16</del> Keep away from sources of ignition . No smoking.

#### [ISO11014:2009][Shachihata Inc.] [EK-95\_birchbrown\_d] 5/5

Symbols and indications of danger specific F: Highly flammable

Hazard designation

Substance name [1-methoxypropan-2-ol]

Classification : R10 · R67

R-Phrase R10 Flammable.

R67 Vapours may cause drowsiness and dizziness.

S-Phrase S2 Keep out of the reach of children.

Symbols and indications of danger specific none

Hazard designation

Substance name : [Ethyl lactate]
Classification : R10 · Xi; R37-41
R-Phrase : R10 · Flammable.

R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice. Wear eye/face protection.

Symbols and indications of danger specific Xi: Irritant

< USA Information >

S-Phrase

OSHA STATUS: This product is hazardous under 29 CFR 1910.1200.

**S**39

TSCA STATUS: All components on TSCA INVENTORY.

TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : not Listed CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : not Listed SARA TITLE III Section 313 (40 CFR 372) : not Listed California Proposition 65 (Chemicals known to cause cancer) : not Listed

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

# SECTION 16 OTHER INFORMATION



EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC)
This product not contain lead,mercury, cadmium, hexavalent chromium,
polybromiated 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.

Item Numbers: 22192-2004 Page 15 of 20

[ISO11014:2009](Shachihata Inc.) (EK-95\_black\_d) 1/5



# **Artline Xstamper**

# Safety Data Sheet

(MSDS)

Issued Date : May 16.2008 Revised Date : 22,2013 March

FURNITURE

#### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

: Artline FURNITURE Marker (Black) **Product Name** 

EK-95

Company Name : Shachibata Inc.

Address 4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan

Telephone +81-52-521-3600 Fax +81-52-521-3899

**Emergency Call** +81-52-521-3600 (Shachihata Inc. [Japan])

Permanent marker ink Recommended use

#### SECTION 2 HAZARDS IDENTIFICATION

#### **GHS** Classification

Physical Hazards

Flammable liquids Category 2

**Health Hazards** 

Serious eye damage /eye irritation Category 1

Category 3 Specific target organ toxicity; single exposure

(respiratory tract irritation, narcotic effects)

**Environmental Hazards** 

Hazardous to the aquatic environment (acute) Classification not possible Hazardous to the aquatic environment (chronic) Classification not possible Hazardous to the ozone laver Classification not possible

#### LABEL ELEMENTS

Symbole

Item Numbers: 22192-2004







Signal word

Hazard statement Highly flammable liquid and vapour (H225)

(H318)Causes serious eye damage (H335) May cause respiratory irritation May cause drowsiness or dizziness (H336)

# Precautionary statement

[Prevention]

Keep away from heat/sparks/open flames/hot surfaces. . No smoking. (P210) Take precautionary measures against static discharge. (P243) Wear protective gloves/protective clothing/eye protection/face protection. (P280) Avoid breathing dust/fume/gas/mist/vapours/spray. (P261) Use only outdoors or in a well-ventilated area. (P271) Wash hands thoroughly after handling. (P264)

[Response]

IF ON SKIN (or hair)

In case of fire (P370+P378) : Use dry chemical powder, form or carbon dioxide for extinction. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable (P304+P340)

for breathing.

IF IN EYES : Rinse cautiously with water for several minutes. (P305+P351+P338)

Remove contact lenses, if present and easy to do. Continue rinsing.

Rinse skin with water/shower.

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

> : Remove/Take off immediately all contaminated clothing (P303+P361+P353) Page 16 of 20

(ISO11014:2009) (Shachihata Inc.) (EK-95\_black\_d) 2/5

If skin irritation occurs : Get medical advice/attention. (P332+P313)

IF SWALLOWED : Get medical advice/attention if you feel unwell.Rinse mouth. (P301+P314+P330)

[Storage]

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

[Disposal]

Dispose of contents/container to waste in accordance with (P501)

local/regional/ national/international regulation (to be specified).

# SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethanol	25~35	64-17-5	Flam.Liq. 2	H225
1-methoxypropan-2-ol	20~25	107-98-2	Flam.Liq. 3 STOT.SE. 3	H226 H336
Ethyl lactate	20~25	97-64-3	Flam.Liq. 3 Eye Irrit. 1 STOT.SE. 3	H226 H318 H335
Synthetic resin	5~15	Confidential	none	none
Dyestuff	10~20	Confidential	none	none
total	100			

# SECTION 4 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 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Dry chemical powder, foam or carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA : Water jet

SPECIFIC EXTINCTION METHOD

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.

#### SPECIAL PROTECTIVE FOR FIRE- FIGHTERS

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

#### 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.

# **ENVIRONMENTAL PRECAUTIONS**

Do not throw the leakage thing directly into environment.

# METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc.,

then place in a chemical waste containers.

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

(ISO11014:2009)(Shachihata Inc.) (EK-95\_black\_d) 3/5

# SECONDARY ACCIDENT PREVENTION MEASURE

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources)

SECTION 7	HANDLING AND STORAGE		
Handling	· Hea with adaquate ventilation		

dandling 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.

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

Keep away from heat and flame, ignition source and sunlight.

Keep out of the reach of children.

# SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

# OCCUPATIONAL EXPOSURE LIMIT

ACGIH (2012)

Ethanol STEL 1000ppm 1-methoxypropan-2-ol TWA 100ppm

OSHA PEL

Ethanol TWA 1000ppm

DIRECTIVE 2000/39/EC

1-methoxypropan-2-ol TWA 100ppm

Japan Society for Occupational Health (2012) none

#### PERSONAL PROTECTION

Respiratory Protection

Use with local exhaust ventilation, when in long use.

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.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : black liquid

Odour : minor solvent odour

pH : Not applicable

Boiling point : No data available

Flash point : 19.0 °C (closed cup)

Relative Density (at 25°C) : 0.85 · 0.95 (g/cm³)

Solubility in Water Insoluble

## SECTION 10 STABILITY AND REACTIVITY

Stability Stable under normal handling.

Conditions to Avoid : High temperature, Direct sunlight, Fire

Incompatible Materials : Strong oxidising agents

Hazardous Decomposition Products : CO, CO<sub>2</sub>

#### SECTION 11 TOXICOLOGICAL INFORMATION

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

[Ethanol]

 Oral-rat
 LD50
 7,060mg/kg

 Inhalation-rat
 LC50
 20,000ppm/10h

[1-methoxypropan-2-ol]

Oral·rat LD50 >5.000mg/kg

Item Numbers: 22192-2004 Dermal-rabbit LD50 13,000mg/kg Page 18 of 20

[ISO11014:2009][Shachihata Inc.] [EK-95\_black\_d] 4/5

Inhalation-rat LC50 >7,559ppm/6h

Ethyl lactatel

2,500mg/kg LD50 Oral-rat Inhalation-rat LC50  $>5,400 \text{mg/m}^3/8 \text{H}$ 

Serious eye damage /eye irritation : Category 1 Causes serious eye damage

May cause respiratory irritation Specific target organ toxicity Category 3 (single exposure)

May cause drowsiness or dizziness

Carcinogenicity : Not listed by IARC, EPA, EU, NTP.

#### SECTION 12 ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute) Classification not possible Hazardous to the aquatic environment (chronic) : Classification not possible Hazardous to the ozone layer : Classification not possible

#### SECTION 13 DISPOSAL CONSIDERATIONS

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 : UN1210 (DOT, ADR, IMDG, IATA) UN number

(DOT, ADR, IMDG, IATA) : PRINTING INK ,flammable UN proper shipping name

**UN Classification** : 3

(DOT, ADR, IMDG, IATA) : 11 Packing group : N Marine pollutant (Y/N)

: F-E,S-D EmS number

#### SECTION 15 REGULATORY INFORMATION

< EU Information >

Regulation (EC) No 1272/2008 (CLP)

[Ethanol] Substance name

Flammable liquids, Category 2 Hazard Class & Category

Symbols GHS02 Signal word Danger

Hazard statements : H225 Highly flammable liquid and vapour

Substance name : [1-methoxypropan-2-ol]

Hazard Class & Category : Flammable liquids, Category 3

Specific target organ toxicity - single exposure, Category 3

Symbols GHS02,GHS07

Signal word : Warning

: H226 Hazard statements Flammable liquid and vapour

H336 May cause drowsiness or dizziness

: [Ethyl lactate] Substance name

Hazard Class & Category : Flammable liquids, Category 3

Eye irritation, Category 1

Specific target organ toxicity - single exposure, Category 3

Symbols GHS02,GHS07,GHS05

Signal word Danger

Hazard statements H226 Flammable liquid and vapour H318

Causes serious eye damage H335 May cause respiratory irritation

Directive 67/548/EEC or 1999/45/EC

Hazard designation

(Ethanol) Substance name Classification F: R11

Highly flammable. R-Phrase : R11

S-Phrase S2Keep out of the reach of children.

Keep container tightly closed.

Item Numbers: 22192-2004 S16 Keep away from sources of ignition . No smoking.

#### (ISO11014:2009)(Shachihata Inc.) (EK-95\_black\_d) 5/5

Symbols and indications of danger specific F: Highly flammable

Hazard designation

Substance name [1-methoxypropan-2-ol]

Classification R10 · R67

R-Phrase R10 Flammable.

R67 Vapours may cause drowsiness and dizziness.

S-Phrase S2 Keep out of the reach of children.

Symbols and indications of danger specific none

Hazard designation

Substance name : [Ethyl lactate]
Classification : R10 - Xi; R37-41
R-Phrase : R10 - Flammable.

R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice. Wear eye/face protection.

Symbols and indications of danger specific Xi: Irritant

< USA Information >

S-Phrase

OSHA STATUS: This product is hazardous under 29 CFR 1910.1200.

S39

TSCA STATUS: All components on TSCA INVENTORY.

TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : not Listed CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : not Listed SARA TITLE III Section 313 (40 CFR 372) : not Listed California Proposition 65 (Chemicals known to cause cancer) : not Listed

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

# SECTION 16 OTHER INFORMATION



EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC)
This product not contain lead mercury, cadmium, hexavalent chromium, polybromiated 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.

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