EK63,63R, EA5024A-0101, 1/4

## MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Artline CLIX HIGHLIGHTER EK-63 (All colors)
	Artline REFILL CARTRIDGE FOR Artline CLIX EK-63R (All colors)
General Use	Water based marker
MSDS Number	EA5024A-0101

MANUFACTURER

Company NameShachihata Inc.Address4-69,Amazuka-cho,Nishi-ku,Nagoya City,451-0021,JapanTelephone Number++ 81 52 521 3600Fax Number++ 81 52 521 3899

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Hazardous Ingredients No hazardous ingredients are known at this time.

(Main materials for Highlighter ink are composed of Pigment, Glycerin and additive, etc)

3. HAZARDS IDENTIFICATION EMERGENCY OVERVIEW May cause allergic skin reaction.

POTENTIAL HEALTH EFFECT No data available

POTENTIAL ENVIRONMENTAL EFFECTS No data available

#### 4. FIRST AID MEASURES

- INHALATION Move to well ventilated place. See medical advice immediately.
- EYE Immediately flush with plenty of water. See medical advice immediately.
- SKIN Wipe off with dry cloth and wash with mild soap. See medical advice immediately.
- INGESTION See medical advice immediately.

PROTECTION TO FIRST – AIDERS No data available.

NOTE TO PHYSICIAN

Treatment may vary with condition of victim and specifics of incident.

EK63,63R, EA5024A-0101, 2/ 4 Issued: 2008/05/16

# MATERIAL SAFETY DATA SHEET

#### 5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES Flash Point

Not applicable

EXTINGUISHING MEDIA Dry chemical powder, foam or carbon dioxide.

FIRE FIGHTING INSTRUCTIONS Wear full fire-fighting turn-out gear and respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

LAND SPILL Wipe off with dry cloth.

WATER SPILL Contain spilled liquid with sand or earth. Do not use combustible materials, such as sawdust.

## 7. HANDLING AND STORAGE

- HANDLING : Use only in the well-ventilated areas. Avoid contact with skin or eyes, or clothing. Avoid inhalation and ingestion. Avoid high temp. and fire. Wash throughly after handling.
- STORAGE : Store in a cool, dry, well-ventilated location. Keep away from heat, sunlight. Keep away from children.

EK63,63R, EA5024A-0101, 3/ 4 Issued: 2008/05/16

## **MATERIAL SAFETY DATA SHEET**

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

OSHA PEL (1994) Not established ACGIH TLV (2003) Not established EN LIMIT (2000/39/EN) Not established

EXPOSURE CONTROLS Occupational Exposure Controls Engineering Controls Use exhaust ventilation to keep airborne concentration below exposure limits.

Personal Protection Respiratory Protection Use with local exhaust ventilation, when in long use.

Hand Protection

Not required, but wear safety gloves, if necessary.

Eye Protection

Not required, but wear safety glasses, if necessary.

Skin Protection

To prevent ANY contact, wear impervious clothing such as gloves, apron, as appropriate.

Environmental Exposure Controls Not established

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Liquid
Odor	None
pH	5~10
Boiling Point / Boiling Range	No data available
Flash Point	Not applicable
Explosive Properties	No data available
Relative Density (g/cm <sup>3</sup> )	1.0 ~ 1.1 g/cm <sup>3</sup>
Solubility [ Water ]	soluble

#### 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	No data available
STABILITY	No data available
MATERIALS TO AVOID	No data available

HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS No data available

EK63,63R, EA5024A-0101, 4/ 4 Issued: 2008/05/16

# **MATERIAL SAFETY DATA SHEET**

No data available

## 11. TOXICOLOGICAL INFORMATION

Acute: Not determinedChronic: Not determinedSigns and symptom of over exposure: Not determinedMedical conditions generally aggravated by exposure : Not determined.Chemical listed as carcinogens: Unknown

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY

BIOACCUMULATIVE POTENTIAL No data available OTHER ADVERSE EFFECTS No data available

## 13, DISPOSAL CONSIDERATIONS

Comply with all federal, state, EU, national and local regulations. Do not dump this product into sewers, on the ground or into any body of water.

#### 14. TRANSPORT INFORMATION

UN CLASS	None
UN Packing Group (PG)	None
UN NUMBER	None
Proper Shipping Name	None

#### 15. REGULATORY INFORMATION

Refer to any other federal , state , EU , national and local regulations. OSHA STATUS : This product is hazardous under 29 CFR 1910.1200.

TSCA STATUS : All components on TSCA INVENTORY.

CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : Not applicable

SARA TITLE : Not applicable

Please refer to any other EU, national and local measures.

## 16. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Shachihata Inc.It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process.Shachihata Inc. assumes no legal responsibility for use or reliance upon this information.