#### MSDS for #20841 LICHIDA I E DEN

SAFETY DATA SH	EET <u>According to EC Direct</u>	tive 91/155/EEC	page. 1/4
<b>Frade name: LEPEN l</b>	NK No.10 Lt Blue		
Serial No. 150727-	09 Revision Date	Nov.18.2020	
Version 1.2	Print Date	Nov.18.2020	
	SUBSTANCE/PREPARATION AND	THE COMPANY/UN	DERTAKINO
Identification of the produc			
Product name	: LEPEN INK No.10 Lt Blue		
Company/undertaking iden	tification		
Company	: UCHIDA OF AMERICA, CORP.		
	3535 Del Amo Blvd., Torrance, C	A 90503	
Telephone	: +1-800-541-5877		
Telefax	: +1-800-229-7017		
Emergency telephone numbe	r : +1-800-541-5877		
Use of the substance/prepar			
	: For Markers.		

# 2. HAZARDS IDENTIFICATION

Not applicable.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%)
C. I. Direct Blue 87	Trade Secret	0.5 to 1.0
C. I. Acid Blue 9	Trade Secret	1.5 to 2.0
Ethylene Glycol	Trade Secret	20.0 to 25.0
Nonionic Surfactant (Not contain Nonyl phenol)	Trade Secret	1.0 to 2.0
Purified Water	Trade Secret	residual part

#### 4. FIRST AID MEASURES

#### Inhalation

No hazardous volatile material is present, so unless extra ordinary prolonged inhalation,

dangerous cases are usually nothing.

#### Skin contact

Immediately rinse through with soap and water.

#### Eye contact

Immediately rinse the stained eye with plenty of water, and call on a physician.

#### Ingestion

They may be discarded the same as ordinary waste.

#### MSDS for #20841 LICHIDA I E DEN

#### SAFETY DATA SHEET

**Trade name: LEPEN INK No.10 Lt Blue** 

Serial No. Version

### 1.2

Page 2 of 16

#### According to EC Directive 91/155/EEC page. 2/4 150727-09 **Revision Date** Nov.18.2020 Print Date Nov.18.2020

#### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Water spray, foam, powder, and carbon dioxide.

#### Specific hazards during fire fighting

Owing too much water, these inks are not in flammable, but the evaporation residue is combustible. Accordingly if the solid-state ink residues are burning, pouring of a plenty of water the most effective to extinguish.

#### Special protective equipment for fire fighters

Employ protective equipment commonly used in the event of fire.

#### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions**

Wear suitable clothing and gloves.

#### **Environmental precautions**

At room temperature, no volatile materials are present in these inks.

#### Methods for cleaning up

Wipe the material with cloth and wash water.

#### 7. HANDLING AND STORAGE

#### Handling

Wear suitable protective clothing and gloves.

#### Storage

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protective equipment

At room temperature, no volatile materials are present in these inks.

#### Hand protection

protective gloves

#### Eye protection

safety glasses with side-shields

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

liquid
coloured
non

#### MSDS for #20841 LICHIDA I E DEN

#### SAFETY DATA SHEET

Trade name: LEPEN INK No.10 Lt Blue Serial No. 150727-09 Revi

1.2

Serial No. Version Revision Date Print Date

According to EC Directive 91/155/EEC page. 3/4

. . .

#### Nov.18.2020 Nov.18.2020

Safety data

pH value	not available
Boiling point/range	ca. 100°C
Solubility in water	soluble
Density	ca. 1.0 to 1.1 g/cm3
Volatile	30 to 60 %

#### **10. STABILITY AND REACTIVITY**

#### Materials to avoid

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place.

#### Hazardous reactions

no.

#### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

The main components of these inks are Diethylene glycol, and several additives. Diethylene Glycol causes some damage to kidney.

#### 12. ECOLOGICAL INFORMATION

#### Ecotoxic effects

Quantitative data on the ecological effect of this product are not available. **Further ecologic data** Do not allow entrance in waters, wastewater, or soil.

#### 13. DISPOSAL CONSIDERATIONS

#### Product

Disposal according to local authority regulations. **Packaging** Disposal according to local authority regulations.

#### **14. TRANSPORT INFORMATION**

Not available.

#### **15. REGULATORY INFORMATION**

Not available.

#### **16. OTHER INFORMATION**

SAFETY.	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 4/4
Trade name	e: LEPEN INK No.1	l0 Lt Blue		
Serial No.	150727-09	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

Keep out reach of baby or children. For further information, please contact us.

# MSDS for #20841 - LICHIDA LE PEN

SAFETY DATA S	SHEET	According to EC Direct	ive 91/155/EEC	page. 1/
<b>Trade name: LEPE</b>	N INK No.F	4 Fl Green		
Serial No. 150	727-05	Revision Date	Nov.18.2020	
Version 1.2		Print Date	Nov.18.2020	
DENTIFICATION OF TH	E SUBSTANCE/	PREPARATION AND TH	E COMPANY/UNI	DERTAKI
Identification of the product	uct			
Product name	: LEPEN	INK No.F4 Fl Green		
Company/undertaking id	entification			
Company	: UCHIDA	A OF AMERICA, CORP.		
	3535 De	l Amo Blvd., Torrance, CA 9	90503	
Telephone	: +1-800-5	: +1-800-541-5877		
Telefax	: +1-800-2	229-7017		
Emergency telephone numl	ber : +1-800-5	541-5877		
-				
Use of the substance/prep	aration			
ese or me sussamee, prep				

#### 2. HAZARDS IDENTIFICATION

Not applicable.

\_

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%)
C. I. Basic Blue 3	Trade Secret	< 50.0
C. I. Basic Yellow 40	Trade Secret	< 50.0
Styrene acrylonitrile copolymer	Trade Secret	< 50.0
Polypropylene glycol	Trade Secret	< 50.0
Glycerin	Trade Secret	10.0 to 15.0
Nonionic Surfactant (Not contain Nonyl phenol)	Trade Secret	1.0 to 2.0
Fungicide Agent	Trade Secret	0.0 to 1.0
Purified Water	Trade Secret	residual part

#### 4. FIRST AID MEASURES

#### Inhalation

No hazardous volatile material is present, so unless extra ordinary prolonged inhalation, dangerous cases are usually nothing.

#### Skin contact

Immediately rinse through with soap and water.

#### Eye contact

Immediately rinse the stained eye with plenty of water, and call on a physician.

#### According to EC Directive 91/155/EEC

#### SAFETY DATA SHEET

Serial No.

Version

**Trade name: LEPEN INK No.F4 Fl Green Revision** Date

Print Date

Nov.18.2020

page. 2/4

Nov.18.2020

#### Ingestion

They may be discarded the same as ordinary waste.

1.2

150727-05

#### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Water spray, foam, powder, and carbon dioxide.

#### Specific hazards during fire fighting

Owing too much water, these inks are not in flammable, but the evaporation residue is combustible. Accordingly if the solid-state ink residues are burning, pouring of a plenty of water the most effective to extinguish.

#### Special protective equipment for fire fighters

Employ protective equipment commonly used in the event of fire.

#### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions**

Wear suitable clothing and gloves.

#### **Environmental precautions**

At room temperature, no volatile materials are present in these inks.

#### Methods for cleaning up

Wipe the material with cloth and wash water.

#### 7. HANDLING AND STORAGE

#### Handling

Wear suitable protective clothing and gloves. Storage Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Personal protective equipment** At room temperature, no volatile materials are present in these inks.

Hand protection protective gloves Eye protection safety glasses with side-shields

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

# SAFETY DATA SHEET According to EC Directive 91/155/EEC page. 3/4

Trade name: LEPEN INK No.F4 Fl Green				
Serial No.	150727-05	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

Form Colour	liquid coloured
Odour	non
Safety data	
pH value	not available
Boiling point/range	ca. 100°C
Solubility in water	soluble
Density	ca. 1.0 to 1.1 g/cm3
Volatile	30 to 60 %

#### 10. STABILITY AND REACTIVITY

#### Materials to avoid

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place. **Hazardous reactions** 

no.

#### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

The main components of these inks are Diethylene glycol, and several additives. Diethylene Glycol causes some damage to kidney.

#### 12. ECOLOGICAL INFORMATION

#### Ecotoxic effects

Quantitative data on the ecological effect of this product are not available. **Further ecologic data** Do not allow entrance in waters, wastewater, or soil.

#### 13. DISPOSAL CONSIDERATIONS

#### Product

Disposal according to local authority regulations. **Packaging** Disposal according to local authority regulations.

#### **14. TRANSPORT INFORMATION**

Not available.

#### **15. REGULATORY INFORMATION**

#### **SAFETY DATA SHEET** According to EC Directive 91/155/EEC page. 4/4 Trade name: LEPEN INK No.F4 Fl Green Serial No. Revision Date 150727-05 Nov.18.2020 Version 1.2 Print Date Nov.18.2020

Not available.

#### **16. OTHER INFORMATION**

Keep out reach of baby or children. For further information, please contact us.

#### MSDS for #20841 - UCHIDA LE PEN

**SAFETY DATA SHEET** 

	10	igo o
According to EC Directive 91/155/EEC	page. 1/4	
	1 0	1

Trade name: LEPEN INK No.7 Orange				
Serial No.	150727-08	<b>Revision Date</b>	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Identification of the product

Product name	: LEPEN INK No.7 Orange

#### **Company/undertaking identification**

Company	: UCHIDA OF AMERICA, CORP.		
	3535 Del Amo Blvd., Torrance, CA 90503		
Telephone	: +1-800-541-5877		
Telefax	: +1-800-229-7017		
Emergency telephone number	: +1-800-541-5877		

#### Use of the substance/preparation

: For Markers.

#### 2. HAZARDS IDENTIFICATION

Not applicable.

\_

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%)
C. I. Acid Yellow 23	Trade Secret	2.5 to 3.0
C. I. Acid Red 87	Trade Secret	1.5 to 2.0
Diethylene glycol	Trade Secret	15.0 to 20.0
Nonionic Surfactant (Not contain Nonyl phenol)	Trade Secret	1.0 to 2.0
Purified Water	Trade Secret	residual part

#### 4. FIRST AID MEASURES

#### Inhalation

No hazardous volatile material is present, so unless extra ordinary prolonged inhalation,

dangerous cases are usually nothing.

### Skin contact

Immediately rinse through with soap and water.

#### Eye contact

Immediately rinse the stained eye with plenty of water, and call on a physician.

#### Ingestion

They may be discarded the same as ordinary waste.

Serial No.

Version

#### SAFETY DATA SHEET According to EC Directive 91/155/EEC

**Trade name: LEPEN INK No.7 Orange** 150727-08

Revision Date Print Date

Nov.18.2020 Nov.18.2020

page. 2/4

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, foam, powder, and carbon dioxide.

1.2

#### Specific hazards during fire fighting

Owing too much water, these inks are not in flammable, but the evaporation residue is combustible. Accordingly if the solid-state ink residues are burning, pouring of a plenty of water the most effective to extinguish.

#### Special protective equipment for fire fighters

Employ protective equipment commonly used in the event of fire.

#### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions**

Wear suitable clothing and gloves.

#### **Environmental precautions**

At room temperature, no volatile materials are present in these inks.

#### Methods for cleaning up

Wipe the material with cloth and wash water.

#### 7. HANDLING AND STORAGE

#### Handling

Wear suitable protective clothing and gloves.

#### Storage

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protective equipment

At room temperature, no volatile materials are present in these inks.

#### Hand protection

protective gloves

#### Eye protection

safety glasses with side-shields

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

liquid
coloured
non

#### **SAFETY DATA SHEET** <u>According to EC Directive 91/155/EEC</u>

Trade name: LEPEN INK No.7 Orange				
Serial No.	150727-08	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

page. 3/4

Safety data

pH value

Density

Volatile

not available ca. 100°C soluble ca. 1.0 to 1.1 g/cm3 30 to 60 %

#### **10. STABILITY AND REACTIVITY**

#### Materials to avoid

Boiling point/range

Solubility in water

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place.

#### Hazardous reactions

no.

#### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

The main components of these inks are Diethylene glycol, and several additives. Diethylene Glycol causes some damage to kidney.

#### 12. ECOLOGICAL INFORMATION

#### Ecotoxic effects

Quantitative data on the ecological effect of this product are not available. **Further ecologic data** Do not allow entrance in waters, wastewater, or soil.

#### 13. DISPOSAL CONSIDERATIONS

#### Product

Disposal according to local authority regulations. **Packaging** Disposal according to local authority regulations.

#### **14. TRANSPORT INFORMATION**

Not available.

#### **15. REGULATORY INFORMATION**

Not available.

#### **16. OTHER INFORMATION**

MSI	<u>)S for #20841 - L</u>	ICHIDA I E PEN			Pag	pe 12 of 16
	SAFETY	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 4/4	
	Trade name	e: LEPEN INK No.'	7 Orange			
	Serial No.	150727-08	Revision Date	Nov.18.2020		
	Version	1.2	Print Date	Nov.18.2020		

Keep out reach of baby or children.

For further information, please contact us.

## MSDS for #20841 - LICHIDA LE PEN

Trade name: LEPEN	INK No.9 Pi	nk		
Serial No. 150727   Version 1.2	-04	Revision Date Print Date	Nov.18.2020 Nov.18.2020	
DENTIFICATION OF THE S Identification of the product	UBSTANCE/PRI	EPARATION AND TH	E COMPANY/UNI	DERTAK
Product name	: LEPEN INK	No.9 Pink		
Company/undertaking identi	figation			
Company/undertaking identi	neation			
Company/undertaking identi Company		F AMERICA, CORP.		
	: UCHIDA O	F AMERICA, CORP. no Blvd., Torrance, CA 9	90503	
	: UCHIDA O	no Blvd., Torrance, CA	90503	
Company	: UCHIDA Ol 3535 Del An	no Blvd., Torrance, CA 9 5877	90503	

#### 2. HAZARDS IDENTIFICATION

Not applicable.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%)
C. I. Acid Red 87	Trade Secret	1.0 to 1.8
C. I. Acid Red 92	Trade Secret	1.0 to 1.5
Diethylene glycol	Trade Secret	15.0 to 20.0
Nonionic Surfactant (Not contain Nonyl phenol)	Trade Secret	0.0 to 1.0
Triethanolamine	Trade Secret	0.0 to 0.1
Purified Water	Trade Secret	residual part

#### 4. FIRST AID MEASURES

#### Inhalation

No hazardous volatile material is present, so unless extra ordinary prolonged inhalation, dangerous cases are usually nothing.

#### Skin contact

Immediately rinse through with soap and water.

#### Eye contact

Immediately rinse the stained eye with plenty of water, and call on a physician.

#### Ingestion

They may be discarded the same as ordinary waste.

#### SAFETY DATA SHEET According to EC Directive 91/155/EEC

Trade name: LEPEN INK No.9 Pink

Serial No. Version

150727-04 1.2

**Revision** Date Print Date

Nov.18.2020 Nov.18.2020

page. 2/4

#### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Water spray, foam, powder, and carbon dioxide.

#### Specific hazards during fire fighting

Owing too much water, these inks are not in flammable, but the evaporation residue is combustible. Accordingly if the solid-state ink residues are burning, pouring of a plenty of water the most effective to extinguish.

#### Special protective equipment for fire fighters

Employ protective equipment commonly used in the event of fire.

#### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions**

Wear suitable clothing and gloves. **Environmental precautions** At room temperature, no volatile materials are present in these inks. Methods for cleaning up Wipe the material with cloth and wash water.

# 7. HANDLING AND STORAGE

#### Handling

Wear suitable protective clothing and gloves.

### Storage

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protective equipment

At room temperature, no volatile materials are present in these inks.

Hand protection protective gloves Eye protection safety glasses with side-shields

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance Form liquid Colour coloured

#### SAFETY DATA SHEET page. 3/4 According to EC Directive 91/155/EEC No.9 Pink

<b>Trade name:</b>	LEPEN INK
Serial No.	150727-04
Version	1.2

1.2

**Revision** Date Print Date

Nov.18.2020 Nov.18.2020

Odour

Safety data pH value

Safety uata	
pH value	not available
Boiling point/range	ca. 100°C
Solubility in water	soluble
Density	ca. 1.0 to 1.1 g/cm3
Volatile	30 to 60 %

#### **10. STABILITY AND REACTIVITY**

#### Materials to avoid

Take care not to leave for a prolonged time in a cap-off state, Otherwise ink will dry up. It is preferable to storage ink in a cool and well ventilated place.

#### **Hazardous reactions**

no.

#### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

The main components of these inks are Diethylene glycol, and several additives. Diethylene Glycol causes some damage to kidney.

#### **12. ECOLOGICAL INFORMATION**

#### **Ecotoxic effects**

Quantitative data on the ecological effect of this product are not available. Further ecologic data Do not allow entrance in waters, wastewater, or soil.

### 13. DISPOSAL CONSIDERATIONS

#### Product

Disposal according to local authority regulations.

#### Packaging

Disposal according to local authority regulations.

#### **14. TRANSPORT INFORMATION**

Not available.

#### **15. REGULATORY INFORMATION**

Not available.

MSDS for #20841 -	UCHIDA LE PEN

SAFETY I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 4/4	
Trade name	: LEPEN INK No.9	) Pink			
Serial No.	150727-04	Revision Date	Nov.18.2020		
Version	1.2	Print Date	Nov.18.2020		

#### **16. OTHER INFORMATION**

Keep out reach of baby or children. For further information, please contact us.