## MSDS for #20841 - UCHIDA I F PEN

Serial No. 150	)727-05	<b>Revision Date</b>	Nov.20.2020	
Version 1.2		Print Date	Nov.20.2020	
		PREPARATION AND TH	E COMPANY/UNI	DERTAKI
Identification of the prod	uct			
Product name	: LEPEN	INK No.F3 Fl Blue		
Company/undertaking id	lentification			
Company	: UCHID	A OF AMERICA, CORP.		
	3535 De	el Amo Blvd., Torrance, CA	90503	
Telephone	: +1-800-	541-5877		
Telefax	: +1-800-	229-7017		
	ber :+1-800-	541-5877		

: For Markers.

## 2. HAZARDS IDENTIFICATION

Not applicable.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%)
C. I. Basic Blue 3	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. **Ingestion** 

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

Trade name: LEPEN INK No.F3 Fl Blue Serial No.

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They may be discarded the same as ordinary waste.

## **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

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

Trade name	: LEPEN INK No.I	F3 Fl Blue		
Serial No.	150727-05	Revision Date	Nov.20.2020	
Version	1.2	Print Date	Nov.20.2020	

<b>C</b> 1	1 1
Colour	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**

Not available.

#### **SAFETY DATA SHEET** According to EC Directive 91/155/EEC page. 4/4 Trade name: LEPEN INK No.F3 Fl Blue Serial No.

Version

150727-05 1.2

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## **16. OTHER INFORMATION**

## MSDS for #20841 - LICHIDA LE PEN

SAFETY DATA SI	HEEL	According to EC Direct	ive 91/155/EEC	page. 1/
<b>Trade name: LEPEN</b>	INK No.F	4 Fl Green		
Serial No. 15072	7-05	Revision Date	Nov.18.2020	
Version 1.2		Print Date	Nov.18.2020	
DENTIFICATION OF THE	SUBSTANCE/	PREPARATION AND TH	E COMPANY/UNI	DERTAKI
Identification of the produc	t			
Product name	: LEPEN	INK No.F4 Fl Green		
Company/undertaking iden	tification			
Company	: UCHIDA	A OF AMERICA, CORP.		
	3535 De	l Amo Blvd., Torrance, CA 9	90503	
Telephone	: +1-800-5	541-5877		
Telefax	: +1-800-2	229-7017		
Emergency telephone number	r :+1-800-5	541-5877		
Use of the substance/prepar	ation			

## 2. HAZARDS IDENTIFICATION

Not applicable.

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## 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

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Nov.18.2020

## Ingestion

They may be discarded the same as ordinary waste.

1.2

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## 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	liquid
Colour	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 SHEETAccording to EC Directive 91/155/EECpage. 4/4Trade name: LEPEN INK No.F4 Fl Greenserial No.150727-05Revision DateNov.18.2020Version1.2Print DateNov.18.2020

Not available.

## **16. OTHER INFORMATION**

## MSDS for #20841 - LICHIDA | F PEN

	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 1/3
Trade name	: LEPEN INK No.F5	5 Fl Yellow		
Serial No.	150727-05	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

#### 1. I **ARATION AND THE COMPANY/UNDERTAKING**

Identification of the product Product name

: LEPEN	INK No.F	5 Fl Yellow

## 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. 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.

## Ingestion

They may be discarded the same as ordinary waste.

## **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.

## MSDS for #20841 - LICHIDA | F PEN

#### **SAFETY DATA SHEET** page. 2/3 According to EC Directive 91/155/EEC **Trade name: LEPEN INK No.F5 Fl Yellow**

Serial No.	150727-05	Revision Date	No
Version	1.2	Print Date	No

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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
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** 

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

<b>Trade name:</b>	LEPEN IN
Serial No.	150727-05
Version	1.2

N INK No.F5 Fl Yellow **Revision** Date

Print Date

Nov.18.2020 Nov.18.2020

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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**

## MSDS for #20841 - LICHIDA LE PEN

Trade name: L	EPEN INK N	o.F9 Fl Pink		
Serial No.	150727-05	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	
DENTIFICATION (	OF THE SUBSTAN	CE/PREPARATION AND THE	E COMPANY/UNI	DERTAK
Identification of the	e product			
Product name	: LEP	EN INK No.F9 Fl Pink		
Company/undertal	ing identification			
Company	: UCH	HIDA OF AMERICA, CORP.		
	3535	5 Del Amo Blvd., Torrance, CA 9	0503	
Telephone	: +1-8	300-541-5877		
Telephone Telefax		800-541-5877 800-229-7017		

## 2. HAZARDS IDENTIFICATION

Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%	
C. I. Basic Violet 11: 1	Trade Secret	< 50.0	
C. I. Basic Red 1: 1	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.

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

**Trade name: LEPEN INK No.F9 Fl Pink** 150727-05

Serial No. Version

**Revision** Date

Print Date

Nov.18.2020

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Nov.18.2020

## Ingestion

They may be discarded the same as ordinary waste.

1.2

## 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 <u>According to EC Directive 91/155/EEC</u> page. 3/4 Trade name: LEPEN INK No.F9 FI Pink

maue name. L			
Serial No.	150727-05	Revision Date	Nov.18.2020
Version	1.2	Print Date	Nov.18.2020

Form	liquid
Colour	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.F9 Fl Pink serial No. 150727-05 Revision Date Nov.18.2020 Version 1.2 Print Date Nov.18.2020

Not available.

## **16. OTHER INFORMATION**

## MSDS for #20841 - UCHIDA LE PEN

] SAFETY I	SAFETY DATA SHEET According to EC Directive 91/155/EEC			page. 1/4
Trade name: LEPEN INK No.F7 Fl Orange				
Serial No.	150727-05	Revision Date	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.F7 Fl 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. Basic Yellow 40	Trade Secret	< 50.0
C. I. Basic Violet 11: 1	Trade Secret	< 50.0
C. I. Basic Red 1: 1	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

# SAFETY DATA SHEET According to EC Directive 91/155/EEC page. 2/4 Trade name: LEPEN INK No.F7 Fl Orange Serial No. 150727-05 Revision Date Nov.18.2020 Version 1.2 Print Date Nov.18.2020 Nov.18.2020

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

## Ingestion

They may be discarded the same as ordinary waste.

## 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

SAFETY I	SAFETY DATA SHEET According to EC Directive 91/155/EEC		page. 3/4	
Trade name: LEPEN INK No.F7 Fl Orange				
Serial No.	150727-05	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

Appearance	
Form	liquid
Colour	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.

SAFETY I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 4/4
Trade name	: LEPEN INK No.F	7 Fl Orange		
Serial No.	150727-05	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

## **15. REGULATORY INFORMATION**

Not available.

## **16. OTHER INFORMATION**

## MSDS for #20841 - LICHIDA LE PEN

	EC Directive 91/155/El	<u>EC</u> page. 1/
K No.F8 Fl Violet		
Revision	Date Nov.18.	.2020
Print Date	e Nov.18.	2020
STANCE/PREPARATION	AND THE COMPAN	 Y/UNDERTAKI
: LEPEN INK No.F8 Fl Vio	let	
ation		
: UCHIDA OF AMERICA, CORP.		
3535 Del Amo Blvd., Torra	ance, CA 90503	
: +1-800-541-5877		
: +1-800-229-7017		
: +1-800-541-5877		
n		
	5 Revision Print Date STANCE/PREPARATION : LEPEN INK No.F8 Fl Viol ation : UCHIDA OF AMERICA, 6 3535 Del Amo Blvd., Torra : +1-800-541-5877 : +1-800-229-7017	Revision Date Print Date       Nov.18.         STANCE/PREPARATION AND THE COMPANT         : LEPEN INK No.F8 Fl Violet         ation         : UCHIDA OF AMERICA, CORP.         3535 Del Amo Blvd., Torrance, CA 90503         : +1-800-541-5877         : +1-800-541-5877         : +1-800-541-5877

## 2. HAZARDS IDENTIFICATION

Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%)
C. I. Basic Violet 7	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.

## Ingestion

They may be discarded the same as ordinary waste.

## 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.

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

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Serial No.	
Version	

me: LEPEN INK No.F8 Fl Violet 150727-05 1.2

**Revision** Date Print Date

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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
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** 

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

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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**