Т

SAFETY DATA SHEET According to EC Directive 91/155/EEC			page. 1/4	
Trade name	: LEPEN INK No.2	0 Magenta		
Serial No.	150729-16	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.20 Magenta

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 Red 52	Trade Secret	1.0 to 4.0
Ethylene Glycol	Trade Secret	20.0 to 25.0
Nonionic Surfactant (Not contain Nonyl phenol)	Trade Secret	1.0 to 2.0
Triethanolamine	Trade Secret	0.5 to 1.5
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 I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 2/4
Trade name: LEPEN INK No.20 Magenta				
Serial No.	150729-16	Revision Date	Nov.18.2020	
Version	1.2	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

* *	
Form	liquid
Colour	coloured
Odour	non

SAFETY DATA SHEET <u>According to EC Directive 91/155/EEC</u>				
Trade name: LEPEN INK No.20 Magenta				
Serial No.	150729-16	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

Safety data

2	
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.2	20 Magenta		
Serial No.	150729-16	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.

SAFETY DAT		According to EC Direct	ive 91/155/EEC	page. 1/3
	PEIN IINK #82 1 150730-22 1.0	Revision Date Print Date	Sep.23.2020 Sep.23.2015	
L. IDENTIFICATION OF '	THE SUBSTANCE/	PREPARATION AND TH	E COMPANY/UNI	DERTAKINO
Identification of the p	roduct			
Product name	: LEPEN	I INK #82 MUSTARD		
Company/undertaking Company	: UCHID. 3535 De	A OF AMERICA, CORP. l Amo Blvd., Torrance, CA 9	00503	
Telephone	: +1-800-541-5877			
Telefax	:+1-800-			
Emergency telephone n	umber : +1-800-	541-5877		
Use of the substance/p	reparation			
	: For Mar	kers.		
2. HAZARDS IDENTIFIC	ATION			
Not appliable				

Not applicable.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content (wt%)
C. I. Acid Blue 9	Trade Secret	< 0.1
C. I. Acid Yellow 23	Trade Secret	1.0 to 1.4
C. I. Food Yellow 3	Trade Secret	0.5 to 1.0
C. I. Acid Red 52	Trade Secret	< 0.1
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.

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 Dire			ive 91/155/EEC	page. 2/3
Trade name: LEPEN INK #82 MUSTARD				
Serial No.	150730-22	Revision Date	Sep.23.2020	
Version	1.0	Print Date	Sep.23.2015	

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 I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 3/3
Trade name	: LEPEN INK #82	MUSTARD		
Serial No.	150730-22	Revision Date	Sep.23.2020	
Version	1.0	Print Date	Sep.23.2015	

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 I	DATA SHEET	According to EC Direct	tive 91/155/EEC	page. 1/4
Trade name	: LEPEN INK No.2	29 Navy		
Serial No.	150729-24	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	
			11011012020	
		/PREPARATION AND TH		DERTAKIN
	N OF THE SUBSTANCE			DERTAKIN

Company/undertaking identifie	cation
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 Violet 49	Trade Secret	1.0 to 4.5
C. I. Acid Blue 9	Trade Secret	5.0 to 6.5
C. I. Acid Yellow 42	Trade Secret	0.5 to 0.8
C. I. Acid Red 52	Trade Secret	0.1 to 0.3
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

SAFETY I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 2/4
Trade name	: LEPEN INK No.2	9 Navy		
Serial No.	150729-24	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

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

Trade name: LEPEN INK No.29 NavySerial No.150729-24Revision DateNov.18.2020Version1.2Revision DateNov.18.2020	page. 3/4	SAFETY DATA SHEET According to EC Directive 91/155/EEC			
			9 Navy	: LEPEN INK No.2	Trade name
March 1.2 Det Det No. 19.2020		Nov.18.2020	Revision Date	150729-24	Serial No.
Version I.2 Print Date Nov.18.2020		Nov.18.2020	Print Date	1.2	Version

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 I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 4/4
Trade name	: LEPEN INK No.2	29 Navy		
Serial No.	150729-24	Revision Date	Nov.18.2020	
Version	1.2	Print Date	Nov.18.2020	

16. OTHER INFORMATION

1.

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	SAFETY DA	TA SHEET	According to EC Direct	ive 91/155/EEC	page. 1/3
	Trade name: L	EPEN INK #45	SEPIA		
	Serial No.	150729-39	Revision Date	Sep.23.2020	
	Version	1.0	Print Date	Sep.23.2020	
•	IDENTIFICATION O Identification of the		E/PREPARATION AND THI	E COMPANY/UND	DERTAKINO
		nroduct			

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 Black 2	Trade Secret	1.0 to 2.0
C. I. Acid Blue 9	Trade Secret	0.1 to 0.5
C. I. Acid Yellow 42	Trade Secret	1.0 to 5.0
C. I. Acid Red 87	Trade Secret	1.0 to 1.5
Dimethyl sulfoxide	Trade Secret	3.0 to 5.0
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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray, foam, powder, and carbon dioxide. Specific hazards during fire fighting

SAFETY I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 2/3
Trade name	: LEPEN INK #45	SEPIA		
Serial No.	150729-39	Revision Date	Sep.23.2020	
Version	1.0	Print Date	Sep.23.2020	

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
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.

SAFETY I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 3/3
Trade name	: LEPEN INK #45 \$	SEPIA		
Serial No.	150729-39	Revision Date	Sep.23.2020	
Version	1.0	Print Date	Sep.23.2020	

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 D	DATA SHEET	According to EC Direct	tive 91/155/EEC	page. 1/3
Trade name:	: LEPEN INK #81	PALE MAUVE		
Serial No.	150730-21	Revision Date	Sep.23.2020	
Version	1.0	Print Date	Sep.23.2020	

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

Identification of the product Product name

: LEPEN INK #81 PALE MAUVE

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 Blue 9	Trade Secret	< 0.1
C. I. Acid Yellow 23	Trade Secret	< 0.1
C. I. Acid Red 18	Trade Secret	0.1 to 0.3
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.

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

SAFETY DATA SHEET	According to EC Directiv	ve 91/155/EEC	page. 2/3
Trade name: LEPEN INK #81 PAL	E MAUVE		
Serial No. 150730-21	Revision Date	Sep.23.2020	
Version 1.0	Print Date	Sep.23.2020	

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

no.

SAFETY I	DATA SHEET	According to EC Direct	ive 91/155/EEC	page. 3/3
Trade name	: LEPEN INK #81	PALE MAUVE		
Serial No.	150730-21	Revision Date	Sep.23.2020	
Version	1.0	Print Date	Sep.23.2020	

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 SH	IEET	According to EC Direct	ive 91/155/EEC	page. 1/3
Trade name: LEPEN	INK #102	2 JADE GREEN		
Serial No. 150730)-41	Revision Date	Sep.23.2020	
Version 1.0		Print Date	Sep.30.2015	
L IDENTIFICATION OF THE S	UBSTANCE	PREPARATION AND TH	E COMPANY/UNI	DERTAKIN
Identification of the product				
Product name	: LEPE	N INK #102 JADE GREE	N	
Company/undertaking ident	ification			
Company	: UCHID	DA OF AMERICA, CORP.		
	3535 D	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/prepara	tion			
	: For Ma	rkers.		
2. HAZARDS IDENTIFICATION	T			
, παλακυς πρέντικα το	N			
Not applicable.				

OWIT OSTITION/INFORMATION ON INGREDI		
Ingredient	CAS#	Content (wt%)
C. I. Acid Black 2	Trade Secret	0.1 to 0.5
C. I. Acid Blue 9	Trade Secret	0.1 to 0.3
C. I. Acid Yellow 42	Trade Secret	0.1 to 0.5
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.

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

SAFETY DATA SHEET		According to EC Directive 91/155/EEC		page. 2/3				
Trade name: LEPEN INK #102 JADE GREEN								
Serial No.	150730-41	Revision Date	Sep.23.2020					
Version	1.0	Print Date	Sep.30.2015					
			_					

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

no.

SAFETY I	DATA SHEET	According to EC Directive 91/155/EEC		page. 3/3				
Trade name: LEPEN INK #102 JADE GREEN								
Serial No.	150730-41	Revision Date	Sep.23.2020					
Version	1.0	Print Date	Sep.30.2015					

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