



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: LX 680 DIRECT EMULSION

Previous Issue: November 15, 2010

Date Prepared: June 21, 2011

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **LX 680 DIRECT EMULSION**
Company: **ULANO® CORPORATION**
110 Third Avenue
Brooklyn, NY 11217
Phone: 718-237-4700
Fax: 718-802-1119
Emergency contact: 1-800-424-9300 (CHEMTREC)

MSDS prepared by: Paul Drago

Recommended use: Manufacture of stencils for screenprinting

2. HAZARD IDENTIFICATION OF THE PREPARATION

This preparation is not classified as hazardous according to 29CFR 1910-1200.

Appearance / Odor: viscous liquid / mild odor

Potential Health Effects: See Section 11 for more information

Potential Health Effects Eyes

This product may be irritating to the eyes.

Potential Health Effects: Skin

Repeated exposure may irritation to skin

Potential Health Effects: Ingestion

Ingestion of this product may be irritating to the digestive system.

Potential Health Effects: Inhalation

No known effect

Xi Irritant

36 Irritating to eyes

Target Organs: not known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environmental Effects: See Section 12 for more information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials

Hazardous components:

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Engineering controls

General- not required
 Local exhaust- recommended
 Other- none

Personal Protection

Gloves- recommended
 Respirator- not required
 Eye- protective goggles recommended
 Protective footwear- not required
 Protective clothing- not required
 Other- none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: viscous liquid
 Color: blue
 Odor: mild
 Flash point: n.a
 Ignition temperature: n.a
 Density: ~1.1 g/cm³
 Viscosity: ~13,000 cps @ 20°C
 Explosion limits: n.a
 Boiling point: ~212°F (100° C)
 Vapour density: >1(air=1)
 Vapour pressure: 25hPa @ 25°C
 Freezing point: not known
 pH: 4.2-5.8
 Coefficient of water/ oil distribution: not known
 Volatile Organic Compounds: less than 0.1%

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions
 (see Section 7).
 Store as a non-hazardous liquid
 INCOMPATIBILITY: Strong oxidizers

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

COMPONENT	CAS#	LD ₅₀	LC ₅₀
Acrylates	Trade Secret	>5,000 mg/kg, oral rat	Not established

General information:

Effects of acute exposure:
 Repeated or prolonged contact causes local irritation of skin and mucous membranes, particularly the eyes.
 Irritancy of product- possible
 Skin sensitization- none reported
 Respiratory sensitization- none known

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Carcinogenicity- no
 IARC- no
 ACGIH - no
 Reproductive toxicity - none known
 Teratogenicity - none known
 Embryotoxicity - none known
 Mutagenicity - none known
 Name of synergistic products/effects- none known

12. ECOLOGICAL INFORMATION

Do not empty into drains or release into open water.
 Do not store at public waste disposal sites.
 This emulsion is fully biodegradable.

13. WASTE DISPOSAL INFORMATION

Dispose of as a non-hazardous aqueous waste
 Empty container: scrap metal recycling or re-conditioning
 Soiled container: (treatment like product itself)

14. TRANSPORT INFORMATION

ADR/RID/DOT:	Class: Not regulated
	UN: n.a
Packaging group:	n.a
IMDG:	Class: not regulated
	EMS: n.a
	UN: n.a
Marine pollutant:	No
Packaging group:	n.a

15. REGULATORY INFORMATION

Global Inventories (components):

TSCA: United States -	included
DSL: Canada -	included
ENCS: Japan -	included
EINECS: Europe -	included

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of information required by the CPR, and it is not classified as a hazardous material.

PRODUCT NAME: LX 680 DIRECT EMULSION**Date Prepared: November 15, 2010**

Labeling

Xi

R-phrases:

36 Irritating to eyes

S-phrases:26 In case of contact with eyes, rinse immediately with plenty of water
and seek medical attention**Special labeling:**

n.a

National Regulation for Germany:

Water pollution class: 1

16. OTHER INFORMATION

HMIS: Health 1, Flammability 0, Reactivity 0

Text of risk phrases mentioned in Section 2:

Xi Irritant
36 Irritating to eyes

For further information please refer to our technical information sheet. Data in this MSDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.

DISCLAIMER OF RESPONSIBILITY:

This document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. The information on this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of this product.



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: DIAZO-C SENSITIZING POWDER

Previous Issue: August 14, 2008

Date Prepared: June 21, 2011

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **DIAZO-C SENSITIZING POWDER**
 Company: ULANO® CORPORATION
 110 Third Avenue
 Brooklyn, NY 11217
 Phone: 718-237-4700
 Fax: 718-802-1119
 Emergency contact: 1-800-424-9300 (CHEMTREC)

MSDS prepared by: Paul Drago

Recommended use: Sensitizing powder for stencil emulsions for screenprinting

2. HAZARD IDENTIFICATION OF THE PREPARATION

This preparation is not classified as hazardous according to 29CFR 1910-1200.

Appearance / Odor: powder / no odor

Potential Health Effects: See Section 11 for more information

Potential Health Effects Eyes

This product may be irritating to the eyes.

Potential Health Effects: Skin

Repeated exposure may irritation to skin

Potential Health Effects: Ingestion

Ingestion of this product may be irritating to the digestive system.

Potential Health Effects: Inhalation

No known effect

Target Organs: not known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environmental Effects: See Section 12 for more information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials

Hazardous components:

EINECS-No	Name	Hazard	%content
CAS-No.	R-phrases		

n.a

Additional information:

For full text of risk phrases see Section 16.

PRODUCT NAME: **DIAZO-C SENSITIZING POWDER**

Date Prepared: **August 14, 2008**

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Place in stable side position and seek medical advice. If breathing is irregular or has stopped, apply artificial respiration.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops. Wash clothing before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flammable: no	Means of extinction: treat surrounding fire
	Unsuitable extinguishing media: Hard water stream
Flash point: n.a	Upper flammable limit: n.a
Explosion data impact: n.a	Lower flammable limit: n.a
Explosion data static: n.a	
Hazardous combustion products: typical carbon oxygen compounds.	
Fire fighters should wear SCBA for fighting fires in enclosed areas.	
Autoignition temp: n.a	
This material is an organic powder. Care must be taken to avoid dust produced fire or explosion.	

6. ACCIDENTAL RELEASE MEASURES

Do not empty large quantities directly into drains. Sweep up and collect in a sealable fiber or plastic container and proceed according to local waste disposal regulations. Avoid dust creation.

7. HANDLING AND STORAGE

Keep container tightly closed and in a cool and well ventilated place. Ensure adequate ventilation. Avoid contact with skin and eyes.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit:

CAS #	Name	OSHA TWA	ACGIH TWA
No exposure limits established for ingredients			

Engineering controls

General- not required
Local exhaust- recommended
Other- none

Personal Protection

Gloves- recommended

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Respirator- NIOSH approved powder respirator if dust is created.
 Eye- protective goggles recommended
 Protective footwear- not required
 Protective clothing- not required
 Other- none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: powder
 Color: yellow
 Odor: odorless
 Flash point: n.a
 Ignition temperature: n.a
 Density: n.a
 Viscosity: n.a
 Explosion limits: n.a
 Boiling point: n.a
 Vapour density: n.a
 Vapour pressure: n.a
 Melting Point: Decomposes at 356°F (180°C)
 pH: n.a
 Coefficient of water/ oil distribution: soluble in water
 Volatile Organic Compounds: less than 0.1%

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions
 (see Section 7).
 Store as a possible flammable solid
 INCOMPATIBILITY: Strong oxidizers

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

COMPONENT	CAS#	LD ₅₀	LC ₅₀
DIAZO POWDER	41432-19-3	1643 mg/kg, oral rat	Not established

General information:

Effects of acute exposure:
 Repeated or prolonged contact causes local irritation of skin and mucous membranes, particularly the eyes.
 Irritancy of product- possible
 Skin sensitization- none reported
 Respiratory sensitization- none known
 Carcinogenicity- no
 IARC- no
 ACGIH - no
 Reproductive toxicity - none known
 Teratogenicity - none known

PRODUCT NAME: DIAZO-C SENSITIZING POWDER**Date Prepared: August 14, 2008**

Embryotoxicity - none known
 Mutagenicity - none known
 Name of synergistic products/effects- none known

12. ECOLOGICAL INFORMATION

Do not empty large quantities into drains or release into open water.
 Do not store at public waste disposal sites.

13. WASTE DISPOSAL INFORMATION

Dispose of as a non-hazardous solid waste
 Empty container: scrap metal recycling or re-conditioning
 Soiled container: (treatment like product itself)

14. TRANSPORT INFORMATION

ADR/RID/DOT: Class: Not regulated
 UN: n.a
 Packaging group: n.a
 IMDG: Class: not regulated
 EMS: n.a
 UN: n.a
 Marine pollutant: No
 Packaging group: n.a

15. REGULATORY INFORMATION

Global Inventories (components):

Ingredient	--Canada--						
	TSCA	EC	DSL	NDSL			
Benzenediazonium, 4-(phenylamino) sulfate (1:1), polymer with formaldehyde (41432-17-3)	Yes	Yes	No	Yes			
Ingredient	-SARA 302-		-----SARA 313-----		-RCRA-	CERCLA	-TSCA-
Benzenediazonium, 4-(phenylamino) sulfate (1:1), polymer with formaldehyde (41432-17-3)	RQ	TPQ	List	RQ	261.33	8(d)	
	No	No	No	No	No	No	No

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of information required by the CPR, and it is not classified as a hazardous material.

Labeling

n.a

PRODUCT NAME: DIAZO-C SENSITIZING POWDER**Date Prepared: August 14, 2008**

R-phrases:

n.a

S-phrases:

n.a

Special labeling:

n.a

National Regulation for Germany:

Water pollution class: 1

16. OTHER INFORMATION

HMIS: Health 1, Flammability 0, Reactivity 0

Text of risk phrases mentioned in Section 2:

n.a

For further information please refer to our technical information sheet. Data in this MSDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.

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