



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: QX-5™ Red: Direct Emulsion

Previous Issue: March 23, 2011

Date Prepared: August 2, 2013

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **QX-5™ Red: 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: P.Drago

Recommended use: Manufacture of stencils for screen printing

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.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials
Hazardous components:

EINECS-No CAS-No.	Name R-phrases	Hazard	%content
Trade Secret	Acrylates 36	Xi	5.0-15.0%

Additional information:

For full text of risk phrases see Section 16.

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. Get medical attention. 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. Remove contaminated clothing and shoes. 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

Suitable 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.

Auto ignition temp: n.a

6. ACCIDENTAL RELEASE MEASURES

Do not empty large quantities directly into drains. Collect with liquid absorbing material and proceed according to local waste disposal regulations.

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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
Respirator:	not required
Protective goggles:	recommended
Protective footwear:	not required
Protective clothing:	not required
Other:	none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	viscous liquid
Color:	red
Odor:	mild
Flash point:	n.a
Ignition temperature:	n.a
Density:	~1.1 g/cm ³
Viscosity:	~7,000 cps @ 20°C
Explosion limits:	n.a
Boiling point:	~212°F (100° C)
Vapor density:	>1 (air=1)
Vapor pressure:	23hPa @ 25°C
Freezing point:	not known
pH:	<4.0
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

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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
 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.

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

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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.

Labeling

n.a

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

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.

16. OTHER INFORMATION

HMIS: Health 1, Flammability 0, Reactivity 0

Text of risk phrases mentioned in Section 2:

Xi	Irritant
36	Irritating to eyes

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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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