



# MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

**PRODUCT NAME: QLT DIRECT EMULSION**

**Previous Issue: November 6, 2007**

**Date Prepared: September 9, 2008**

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## 1. IDENTIFICATION OF PRODUCT AND COMPANY

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Product Name: **QLT 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: Fred Widman

Recommended use: Manufacture of stencils for screenprinting

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## 2. HAZARD IDENTIFICATION OF THE PREPARATION

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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

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Mixture of the below mentioned materials

Hazardous components:

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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  
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

**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.

**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

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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/cm<sup>3</sup>  
 Viscosity: ~7,000 cps @ 20°C  
 Explosion limits: n.a  
 Boiling point: ~212°F (100° C)  
 Vapour density: >1(air=1)  
 Vapour 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

**11. TOXICOLOGICAL INFORMATION****Effects of acute exposure:**

COMPONENT	CAS#	LD <sub>50</sub>	LC <sub>50</sub>
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.

## 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.

### Labeling

n.a

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**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.

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**16. OTHER INFORMATION**

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**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.

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