



# MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

**PRODUCT NAME: TLX and TLX Clear / DIRECT EMULSION**

**Previous Issue: Jan 23, 2013**

**Date Prepared: October 15, 2013**

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **TLX and TLX Clear / 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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials			Hazardous components:
EINECS-No	Name	Hazard	%content
CAS-No.	R-phrases		
Trade Secret	Acrylates		
	36	Xi	5.0-25.0%

**Additional information:** For full text of risk phrases see Section 16.

PRODUCT NAME: **TLX and TLX Clear / DIRECT EMULSION**

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#### 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.

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

PRODUCT NAME: **TLX and TLX Clear / DIRECT EMULSION**

Date Prepared: October 15, 2013

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit:

**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: TLX is Green / TLX Clear is milky white  
Odor: mild  
Flash point: n.a  
Ignition temperature: n.a  
Density: ~1.1 g/cm<sup>3</sup>  
Viscosity: ~13,000 cps @ 25°C  
Explosion limits: n.a  
Boiling point: ~212°F (100° C)  
Vapor density: >1 (air=1)  
Vapor 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

PRODUCT NAME: TLX and TLX Clear / DIRECT EMULSION

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**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

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: (Europe) Class: Not regulated

RID (Europe: RAIL) Class: Not regulated

DOT: (USA) Class: Not regulated

IATA: (AIR) Class: Not regulated

IMDG: (Ocean) Class: not regulated

UN # n.a

Packaging group: n.a

EMS: n.a

Marine pollutant: No

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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**      **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:**

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