



## MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

**PRODUCT NAME:** ORANGE™ : direct emulsion

**Previous issue:** Jan. 4, 2012

**Date Prepared:** Feb. 25, 2012

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name:	ORANGE™
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 screenprinting

### 2. HAZARD IDENTIFICATION OF THE PREPARATION

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

Appearance: viscous liquid

Odor: 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
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.

PRODUCT NAME: **ORANGE™: direct emulsion**

Date Prepared: Jan. 4, 2012

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

Mixture of the below mentioned materials

Hazardous components:

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

n.a

**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
Autoignition temp:	n.a

Hazardous combustion products: typical carbon oxygen compounds.  
Fire fighters should wear SCBA for fighting fires in enclosed areas.

PRODUCT NAME: **ORANGE™ : direct emulsion**

Date Prepared: Jan. 4, 2012

## 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		

### 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:	Orange
Odor:	mild
Flash point:	n.a
Ignition temperature:	n.a
Density:	~1.1 g/cm <sup>3</sup>
Viscosity:	6,000-8,000 cps @ 25°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%**

PRODUCT NAME: **ORANGE™ : direct emulsion**

Date Prepared: Jan. 4, 2012

## 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>
n.a			

### 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 large quantities of initial product into drains or release into open water.  
 Do not store at public waste disposal sites. This material is considered to be biodegradable.

## 13. WASTE DISPOSAL INFORMATION

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

PRODUCT NAME: **ORANGE™ : direct emulsion**

Date Prepared: Jan. 4, 2012

---

**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

**R-phrases:**

n.a

**S-phrases:**

n.a

**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.

PRODUCT NAME: **ORANGE™ : direct emulsion**

Date Prepared: Jan. 4, 2012

---

---

**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.

**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.