

SECTION 1 – Product Information

Product Identifier ULANO® FX88 Emulsion		[WHMIS Classification] N/A	
Product Use Photopolymer emulsion for screen printing.			
Manufacturer's name Ulano Corporation		Supplier's Name Screentec Corporation	
Street Address 110 Third Avenue		Street Address 930 Westport Crescent	
City Brooklyn	State NY	City Mississauga	Province Ontario
ZIP Code 11217	Emergency Telephone (703) 527-3887	Postal code L5T 1G1	Emergency Telephone 905-670-7042

SECTION 2 – Hazardous Ingredients

Hazardous Ingredients	%	CAS Number	LD ₅₀ of ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)
N/AP				

SECTION 3 – Physical Data

Physical State Liquid- viscous	Odour and Appearance Mild		Odour Threshold (ppm) N/AP
Specific Gravity Appx. 1.1g/cc	Vapour Density (air=1) N/AP	Vapour Pressure (mmHg) 23.3 mbar	Evaporation Rate Same as water
Boiling Point (°C) ~100°C	Freezing Point (°C) ~0°C	pH 4.2-5.8	Coefficient of Water/Oil Distribution dispersible

SECTION 4 – Fire and Explosion Data

Flammability <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions? N/AP	
Means of Extinction Choose extinguishing media to suit surrounding areas that are burning. The product itself does not burn.		
Flashpoint (°C) and Method N/AP	Upper Flammable Limit (% by volume) N/AP	Lower Flammable Limit (% by volume) N/AP
Autoignition Temperature (°C) N/AP	Explosion Data - Sensitivity to Impact N/AP	Explosion Data - Sensitivity to Static Discharge N/AP
Hazardous Combustion Products None known		

SECTION 5 – Reactivity Data

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? N/AP
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, which ones? Oxidizing agents
Reactivity, and Under what Conditions? N/AV	

Hazardous Decomposition Products None known
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SECTION 6 – Toxicological Properties

Routes of Entry <input checked="" type="checkbox"/> Skin contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye contact <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion	
Effects of Acute Exposure to Product Acute Eye: Repeated or prolonged exposure can cause eye irritation. Acute Skin: Repeated and prolonged exposure can cause skin irritation. Acute Inhalation: N/AP Acute Ingestion: None known	
Effects of Chronic Exposure to Product Repeated and prolonged exposure can cause eye and skin irritation.	
Exposure Limits (<i>value, source, date</i>) N/AP	Irritancy (<i>if yes, explain</i>) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (see above)
Sensitization (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Reproductive Toxicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Teratogenicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mutagenicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Synergistic Products (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION 7 – Preventive Measures

Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input checked="" type="checkbox"/> Other	
If checked, specify type Neoprene Gloves, NIOSH approved safety glasses, lab coat or other protective clothing	
Engineering Controls (<i>specify, such as ventilation, enclosed process</i>) None known	
Leak and Spill Procedure Soak up spilled product with inert absorbent material. Shovel into suitable container for disposal	
Waste disposal Dispose as solid waste, do not flush into surface water or sanitary sewer systems.	
Handling Procedure and Equipment If appropriately handled in accordance with general hygienic rules, no damage to health is known. Avoid contact with skin and eyes	
Storage Requirements Keep from freezing, protect from light, keep container tightly closed and store in a cool and dry place	
Special Shipping Information Not classified as dangerous in the meaning of transportation regulations.	PIN N/AP

SECTION 8 – First Aide Measures

Inhalation N/AP
Ingestion Allow victim to vomit by him/herself. Call a physician. Never give anything by mouth to an unconscious person.
Skin Contact Wash with soap and plenty of water
Eye contact Rinse immediately with copious amounts of water, including under the eyelids. Consult a physician if irritation persists.

SECTION 9 – Preparation Information

Prepared by Ulano Corporation	Telephone Number (718) 237-4700	Preparation Date August 8, 2004
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SECTION 1 – Product Information

Product Identifier UALNO® Diazo Sensitizer "C" Powder		[WHMIS Classification]	
Product Use Photopolymer Sensitizer for Screen Printing.			
Manufacturer's name Ulano Corporation		Supplier's Name Screentec Corporation	
Street Address 110 Third Avenue		Street Address 930 Westport Crescent	
City Brooklyn	State NY	City Mississauga	Province Ontario
ZIP Code 11218	Emergency Telephone (703) 527-3887	Postal code L5T 1G1	Emergency Telephone 905-670-7042

SECTION 2 – Hazardous Ingredients

Hazardous Ingredients	%	CAS Number	LD ₅₀ of ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)
Benzenediazonium, 4-(phenylamino)-, sulfate (1:1), polymer with formaldehyde	100%	41432-19-3	Oral-1643 mg/kg in rats	N/AV

SECTION 3 – Physical Data

Physical State Solid	Odour and Appearance Mild		Odour Threshold (ppm) N/AP
Specific Gravity N/AP	Vapour Density (air=1) N/AP	Vapour Pressure (mmHg) N/AP	Evaporation Rate N/AP
Boiling Point (°C) N/AP	Freezing Point (°C) N/AP	pH 3.5 (5 grams/l H ₂ O)	Coefficient of Water/Oil Distribution 100% soluble

SECTION 4 – Fire and Explosion Data

Flammability <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions? N/AP		
Means of Extinction Choose extinguishing media to suit surrounding areas that are burning. The product itself does not burn.			
Flashpoint (°C) and Method N/AP	Upper Flammable Limit (% by volume) N/AP	Lower Flammable Limit (% by volume) N/AP	
Autoignition Temperature (°C) N/AP	Explosion Data - Sensitivity to Impact N/AP		Explosion Data - Sensitivity to Static Discharge N/AP
Hazardous Combustion Products Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides and Sulfur Oxides			

SECTION 5 – Reactivity Data

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? N/AP
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, which ones? Oxidizing agents
Reactivity, and Under what Conditions? N/AV	

Hazardous Decomposition Products Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides and Sulfur Oxides
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SECTION 6 – Toxicological Properties

Routes of Entry <input checked="" type="checkbox"/> Skin contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion	
Effects of Acute Exposure to Product Acute Eye: Can cause eye irritation. Acute Skin: Can cause skin irritation. Acute Inhalation: Can cause irritation to mucous membranes Acute Ingestion: Harmful if swallowed	
Effects of Chronic Exposure to Product Repeated and prolonged exposure can cause respiratory, eye and skin irritation.	
Exposure Limits (<i>value, source, date</i>) N/AP	Irritancy (<i>if yes, explain</i>) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No see above
Sensitization (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Reproductive Toxicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Teratogenicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mutagenicity (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Synergistic Products (<i>if yes, explain</i>) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION 7 – Preventive Measures

Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other	
If checked, specify type Neoprene Gloves, NIOSH approved safety glasses, lab coat or other protective clothing, respirator if exposed to dust;	
Engineering Controls (<i>specify, such as ventilation, enclosed process</i>) General ventilation	
Leak and Spill Procedure Pick up mechanically, avoid dusting, provide disposal in suitable receptacles.	
Waste disposal Dispose as solid waste; do not flush into surface water or sanitary sewer systems.	
Handling Procedure and Equipment If appropriately handled in accordance with general hygienic rules, no damage to health is known. Avoid contact with skin and eyes. Provide appropriate ventilation where dust is formed.	
Storage Requirements Keep container tightly closed and store in a cool and dry place. Avoid temperatures above 37°C.	
Special Shipping Information Not classified as dangerous in the meaning of transportation regulations.	PIN N/AP

SECTION 8 – First Aide Measures

Inhalation Move to fresh air in case of accidental inhalation. If symptoms persist, call a physician.
Ingestion Drink plenty of water, induce vomiting. Call a physician. Never give anything by mouth to an unconscious person.
Skin Contact Wash with soap and plenty of water.
Eye contact Rinse immediately with copious amounts of water, including under the eyelids. Consult a physician if irritation persists.

SECTION 9 – Preparation Information

Prepared by Ulano Corporation	Telephone Number (718) 237-4700	Preparation Date February 5, 2008
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