



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME

**ULANO® HI-FI DEVELOPER PART B**

HS Graphic Arts

## SECTION I

Manufacturer's Name <b>ULANO CORPORATION</b>	Emergency Telephone Number <b>CHEMTREC (800)424-9300</b>
Address (Number, Street,) <b>110 THIRD AVENUE</b>	Telephone Number for Information <b>(718) 237-400, Fax (718) 802-1119</b>
(City, State, ZIP Code) <b>BROOKLYN, NY 11217</b>	Date Prepared <b>June 20, 2007</b>
Signature of Preparer (optional)	

## SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients	C.A.S. #	OSHA PEL	ACGIH TLV	CONC.	Hazard Type
<b>SODIUM PERBORATE TETRAHYDRATE</b>	<b>10486-00-7</b>	<b>15mg/m<sup>3</sup> TOTAL DUST 5 mg/m<sup>3</sup> RESP. DUST</b>	<b>PNOC</b>	<b>100%</b>	<b>IRRITANT</b>

**THIS PRODUCT DOES NOT CONTAIN SARA TITLE III, SECTION 313 REPORTABLE MATERIAL**

**ULANO PRODUCTS ARE NOT MANUFACTURED WITH, NOR DO THEY CONTAIN CLASS-I OR CLASS-II OZONE DEPLETING CHEMICALS.**

## SECTION III - Physical/Chemical Characteristics

Boiling Point <b>N.A.</b>	Specific Gravity (H <sub>2</sub> O=1) <b>BULK DENSITY 690-870 kg/m<sup>3</sup></b>
Vapor Pressure (mm Hg) <b>0.001 mm @ 25°C</b>	Melting Point <b>DECOMPOSES</b>
Vapor Density (AIR=1) <b>N.A.</b>	Evaporation Rate (H <sub>2</sub> O=1) <b>N.A. (pH=10.0-10.4 in water)</b>
Solubility in Water <b>APPROXIMATELY 3%</b>	
Appearance and Odor <b>ODORLESS WHITE CRYSTALLINE SOLID</b>	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) <b>N.A.</b>	Flammable Limits <b>N.A.</b>	LEL <b>N.A.</b>	UEL <b>N.A.</b>
Extinguishing Media <b>NON-FLAMMABLE</b>			
Special Fire Fighting Procedures <b>TREAT SURROUNDING FIRES</b>			
Unusual Fire and Explosion Hazards <b>RELEASES OXYGEN AT HIGH TEMPERATURES</b>			

## SECTION V - Reactivity Data

Stability	Unstable	Stable
Conditions to Avoid <b>NONE KNOWN</b>		<b>X</b>
Incompatibility (Material to Avoid) <b>HEAVY METAL SALTS, COMBUSTIBLE ORGANIC MATERIAL, MOISTURE</b>		
Hazardous Decomposition or Byproducts <b>OXYGEN CAN BE RELEASED AT HIGH TEMPERATURES</b>		
Hazardous Polymerization	May Occur	Will Not Occur
Conditions to Avoid <b>NONE KNOWN</b>		<b>X</b>

HMIS Health [ 3 ] Flammability [ 0 ] Reactivity [ 0 ] Personal Protection [ E ]

**SECTION VI - Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	<b>NO</b>	<b>YES</b>	<b>NO</b>

Health Hazards (*Acute and Chronic*)**MAY CAUSE SKIN IRRITATION OR RASH. MAY CAUSE EYE CORROSION WITH CORNEAL AND CONJUNCTIVAL ULCERATION**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	<b>NO</b>	<b>NO</b>	<b>NO</b>

Signs and Symptoms of Exposure

**MAY CAUSE EYE OR SKIN IRRITATION**

Medical Condition Generally Aggravated by Exposure

**NONE KNOWN**

Emergency and First Aid Procedures

**EYES AND SKIN: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. CALL A PHYSICIAN. INHALATION: MOVE TO FRESH AIR.****SECTION VII - Precautions for Safe Handling and Use**

Steps to be taken in case Material is Released or Spilled

**SWEEP UP AND WASH AREA WITH WATER**

Waste Disposal Method

**DILUTE WITH LARGE QUANTITIES OF WATER AND FLUSH DOWN SEWER**

Precautions to be Taken in Handling and Storing

**STORE IN COOL DRY AREA. AVOID HIGH HUMIDITY AND TEMPERATURES IN EXCESS OF 90°F TO PREVENT LOSS OF OXYGEN AND CAKING.**

Other Precautions

**DO NOT GET IN EYES. AVOID BREATHING DUST****SECTION VIII - Control Measures**Respiratory Protection (*Specify Type*)**NIOSH APPROVED DUST RESPIRATOR ADVISABLE IF THRESHOLD LIMITS ARE EXCEEDED****Ventilation**

Local Exhaust	Mechanical ( <i>General</i> )	Special	Other
	<b>X</b>		

Protective Gloves

**IMPERVIOUS GLOVES**

Eye Protection

**NIOSH APPROVED SAFETY GLASSES**

Other Protective Clothing or Equipment

**APRON**

Work / Hygienic Practices

**WASH THOROUGHLY AFTER HANDLING**

WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF ULANO CORP. MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.