



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: ULANO B-DEVELOPER POWDER

Previous Issue: June 20, 2007

Date Prepared: July 13, 2009

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **B-DEVELOPER POWDER**
 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: Sensitizing powder for stencil emulsions for screenprinting

2. HAZARD IDENTIFICATION OF THE PREPARATION

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

This product may be a flammable solid

Appearance / Odor: white powder / no 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 CAS-No.	Name R-phrases	Hazard	%content
234-390-0 10486-00-7	Sodium perborate tetrahydrate 36	Xi	60.0-100.0%

PRODUCT NAME: **ULANO B-DEVELOPER POWDER**

Date Prepared: July 13, 2009

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 if necessary.

Ingestion:

If conscious, drink milk or water. Get medical attention.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes. 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: Oxides of carbon

Fire fighters should wear SCBA for fighting fires in enclosed areas.

Autoignition temp: n.a

This material is an organic powder. Care must be taken to avoid dust produced fire or explosion.

6. ACCIDENTAL RELEASE MEASURES

Do not empty large quantities directly into drains. Sweep up and collect in a sealable fiber or plastic container and proceed according to local waste disposal regulations. Avoid dust creation.

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
10486-00-7	Sodium perborate tetrahydrate	Not listed	Not listed

Engineering controls

General- not required

Local exhaust- recommended

Other- none

PRODUCT NAME:

ULANO B-DEVELOPER POWDER

Date Prepared: July 13, 2009

Personal Protection

Gloves- recommended

Respirator- NIOSH approved powder respirator if dust is created.

Eye- protective goggles recommended

Protective footwear- not required

Protective clothing- not required

Other- none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: powder
 Color: white
 Odor: odorless
 Flash point: n.a
 Ignition temperature: n.a
 Density: n.a
 Viscosity: n.a
 Explosion limits: n.a
 Boiling point: n.a
 Vapour density: n.a
 Vapour pressure: n.a
 Melting Point: Not known
 pH: n.a
 Coefficient of water/ oil distribution: soluble in water

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 solid

INCOMPATIBILITY: Strong oxidizers

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

COMPONENT	CAS#	LD ₅₀	LC ₅₀
Sodium perborate tetrahydrate	10486-00-7	1908 mg/kg, oral, rat	No data available

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

PRODUCT NAME:

ULANO B-DEVELOPER POWDER

Date Prepared: July 13, 2009

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 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 solid
 Empty container: scrap 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
IATA	Class: Not regulated UN: 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):

Ingredient	--Canada--				-RCRA-	CERCLA	-TSCA-
	TSCA	EC	DSL	NDSL			
Sodium perborate tetrahydrate (10486-00-7	Yes	Yes	Yes	No			
	-SARA 302-	-----SARA 313-----					
Ingredient	RQ	TPQ	List	RQ	261.33	8(d)	
Sodium perborate tetrahydrate	No	No	No	No	No	No	No

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.

PRODUCT NAME: ULANO B-DEVELOPER POWDER

Date Prepared: July 13, 2009

Labeling

Xi

R-phrases:

36 Irritating to eyes

S-phrases:

26 In case of contact with eyes, rinse with plenty of water and seek medical advice

Special labeling:

National Regulation for Germany:

Water pollution class: 1

16. OTHER INFORMATION

HMIS: Health 3, Flammability 0, Reactivity 1

Text of risk phrases mentioned in Section 2:

Xi

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:

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.