



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: ULANO B-DEVELOPER POWDER

Previous Issue: July 13, 2009

Date Prepared: Sept. 5, 2012

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: P. Drago
 Recommended use: Sensitizing powder for stencil emulsions used 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	Name	Hazard	%content
CAS-No.	R-phrases		
234-390-0	Sodium perborate tetrahydrate		
10486-00-7	36	Xi	60.0-100.0%

Additional information:

For full text of risk phrases see Section 16.

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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 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.

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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

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

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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
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

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15. REGULATORY INFORMATION

Global Inventories (components):

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

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.

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