



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: #78 HAZE REMOVER PASTE

Previous Issue: 4/28/2008

Date Prepared: June 23, 2008

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **#78 HAZE REMOVER PASTE**

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: Screen cleaner for screenprinting screens

2. HAZARD IDENTIFICATION OF THE PREPARATION

This preparation is classified as Corrosive liquid according to 29CFR 1910-1200.

Appearance / Odor: paste / mild odor

Potential Health Effects: Eyes

Corrosive! This product causes irritation to eyes. Greater exposure can cause burns that may result in permanent impairment of vision and blindness.

Potential Health Effects: Skin

Corrosive! Contact with skin can cause irritation or severe burns and scarring with greater exposures.

Potential Health Effects: Ingestion

Swallowing can cause severe burns of the mouth, throat and stomach. Severe scarring of tissue and death may result. Symptoms may include bleeding, vomiting, diarrhea and a fall in blood pressure.

Potential Health Effects: Inhalation

Signs of respiratory tract irritation (such as nasal discharge and difficulty breathing) may occur after exposure to aerosol or high vapor concentrations.

C	Corrosive
35	Causes severe burns

Target Organs: skin, eyes, and mucous membranes

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:

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: June 23, 2008

EINECS-No CAS-No.	Name R-phrases	Hazard	%content
215-185-5 1310-73-2	Sodium Hydroxide 35	C	2.0-20.0%

Additional information:

For full text of risk phrases see Section 16.

4. FIRST AID MEASURES

After skin contact:

CORROSIVE - Causes severe irritation and burns. Corrosive action causes burns and frequent deep ulceration with ultimate scarring. Note that irritation may follow an initial latency. The latency may vary as much as hours for dilute solutions to minutes for more concentrated solutions. Prolonged contact can cause tissue destruction and permanent skin damage. Dust or mist from solutions can cause irritant dermatitis. Repeated exposure may cause inflammation of the skin.

After eye contact:

CORROSIVE – Causes severe irritation and burns. Small amounts may cause: permanent eye damage, blindness, corneal damage. Mists may cause irritation. High mist concentrations may cause tissue destruction. Effects may vary depending on length of exposure, solution concentration and first aid measures.

After ingestion:

CORROSIVE – Causes severe irritation and burns. May cause damage to the: mouth, throat, stomach, gastrointestinal tract. Ingestion can cause severe burns and complete tissue perforation of the mucous membranes of the mouth, throat and stomach. May cause: abdominal pain nausea, vomiting, diarrhea, bleeding, fall in blood pressure, shock, collapse and gastrointestinal ulceration. Damage may appear days after exposure.

After Inhalation:

CORROSIVE – Causes severe irritation and burns. Dusts or mists may irritate: nose, mouth, throat and respiratory tract. Dusts or mists may cause damage to the: upper respiratory tract and lungs. May cause coughing, sneezing, running nose, sore throat, shortness of breath, wheezing, tightness in the chest, chest pain, choking, impaired lung function, pneumonitis and pulmonary edema.

Note to Physicians: Treat as exposure to corrosives

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: typical carbon oxygen compounds.	
Fire fighters should wear SCBA for fighting fires in enclosed areas.	
Autoignition temp: n.a	

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: June 23, 2008

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
1310-73-2	Sodium Hydroxide	2 mg/m ³	2 mg/m ³

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- protective apron
Other- none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	paste
Color:	white
Odor:	mild
Flash point:	n.a
Ignition temperature:	n.a
Density:	~1.5 g/cm ³
Viscosity:	paste
Explosion limits:	n.a
Boiling point:	~216°F (102° C)
Vapour density:	>1 (air=1)
Vapour pressure:	not known
Freezing point:	not known
pH:	~13
Coefficient of water/ oil distribution:	not known
Volatile Organic Compounds:	less than 0.1%

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: June 23, 2008

(see Section 7).

Store as a corrosive liquid

INCOMPATIBILITY: Strong oxidizers, acids

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

COMPONENT	CAS#	LD ₅₀	LC ₅₀
Sodium Hydroxide	1310-73-2	500 mg/24H, skin, rabbit, severe	No data

General information:

Effects of acute exposure:

Repeated or prolonged contact causes burns of the skin mucous membranes and particularly the eyes.

Irritancy of product- Corrosive

Skin sensitization- Corrosive

Respiratory sensitization- Corrosive

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 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 aqueous waste

Empty container: scrap metal recycling or re-conditioning

Soiled container: (treatment like product itself)

14. TRANSPORT INFORMATION

ADR/RID/DOT/IATA: Class: 8

UN: 3266

Corrosive liquid, basic, inorganic, nos
(sodium hydroxide)

Packaging group: II

IMDG: Class: 8

UN: 3266

Corrosive liquid, basic, inorganic, nos
(sodium hydroxide)

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: June 23, 2008

Marine pollutant: no
Packaging group: II

15. REGULATORY INFORMATION

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 classified as a code E hazardous material.

Labeling

C

R-phrases:

35 Causes severe burns

S-phrases:

24/25 Avoid contact with skin and eyes

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

37/39 Wear suitable gloves and eye / face protection

Special labeling:

n.a

National Regulation for Germany:

Water pollution class: 2

--Canada--

Ingredient	TSCA	EC	DSL	NDSL
Sodium Hydroxide (1310-73-2)	Yes	Yes	Yes	No

Ingredient	-SARA 302-	SARA 313	-RCRA-	CERCLA	- TSCA	
	RQ	TPQ	List	RQ	261.33	8(d)
Sodium Hydroxide	No	No	No	No	1,000	No

16. OTHER INFORMATION

HMIS: Health 3, Flammability 0, Reactivity 0

Text of risk phrases mentioned in Section 2:

C Corrosive
35 Causes severe burns

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.

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: June 23, 2008

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.