



MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

PRODUCT NAME: #78 HAZE REMOVER PASTE

Previous Issue: June 23, 2008

Date Prepared: April 20, 2013

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: P. Drago

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.

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: April 20, 2013

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials
Hazardous components:

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

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: April 20, 2013

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

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 recommended
Other-	none

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: April 20, 2013

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: paste
 Color: white
 Odor: mild
 Flash point: n.a
 Ignition temperature: n.a
 Density: ~1.5 g/cm³
 Viscosity: paste
 Explosion limits: n.a
 Boiling point: ~216°F (102° C)
 Vapour density: >1(air=1)
 Vapor 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
 (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.

PRODUCT NAME: #78 HAZE REMOVER PASTE

Date Prepared: April 20, 201

13. WASTE DISPOSAL INFORMATION

Dispose of as a corrosive aqueous waste
 Empty container: scrap 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)
 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
Sodium Hydroxide	No	No	No	No	1,000
					8(d)

PRODUCT NAME: #78 HAZE REMOVER PASTE

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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.

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