



# MATERIAL SAFETY DATA SHEET

(According to ANSI Z400.1-2004)

**PRODUCT NAME: FAST ACTING HAZE REMOVER**

**Previous Issue: June 23, 2008**

**Date Prepared: May 5, 2009**

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: **FAST ACTING HAZE REMOVER**  
 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: thick liquid / 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
10	Flammable
36/38	Irritating to eyes and skin
61	May cause harm to the unborn child

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

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Hazardous components:

<b>EINECS-No CAS-No.</b>	<b>Name R-phrases</b>	<b>Hazard</b>	<b>%content</b>
215-185-5 1310-73-2	Sodium Hydroxide 35	C	3.0-7.0%
212-828-1 872-50-4	1-Methyl-2-pyrrolidone 36/37/38	Xi	10.0-30.0%
203-539-1 107-98-2	1-Methoxy-2-Propanol 10		7.0-13.0%

**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



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Coefficient of water/ oil distribution: not known

**Volatile Organic Compounds: 703 GRAMS / LITER, 5.86 LBS / GALLON****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:**

<b>COMPONENT</b>	<b>CAS#</b>	<b>LD<sub>50</sub></b>	<b>LC<sub>50</sub></b>
Sodium Hydroxide	1310-73-2	500 mg/24H, skin, rabbit, severe	No data
1-Methyl-2-Pyrrolidone	872-50-4	3914 mg/kg, oral, rat	>5mg/l(aerosol) inhal, rat 4H
1/Methoxy-2-Propanol	107-98-2	5660 mg/kg, oral, rat	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 corrosive aqueous waste

Empty container: scrap recycling or re-conditioning

Soiled container: (treatment like product itself)

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#### 14. TRANSPORT INFORMATION

ADR/RID/DOT/IATA: Class: 8  
 UN: 1760  
 Corrosive liquid, nos  
 (sodium hydroxide)

Packaging group: II

IMDG: Class: 8  
 UN: 1760  
 Corrosive liquid, 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 known to contain 1-Methyl-2-Pyrrolidone currently listed as a developmental toxin 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  
 10 Flammable  
 36/38 Irritating to eyes and skin  
 61 May cause harm to the unborn child

##### S-phrases:

36/37/38 Wear suitable protective clothing, gloves and eye / face protection  
 24/25 Avoid contact with skin and eyes  
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention  
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

##### 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
1-Methyl-2-Pyrrolidone (872-50-4)	Yes	Yes	Yes	No
1-Methoxy-2-Propanol (107-98-2)	Yes	Yes	Yes	No

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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
1-Methyl-2-Pyrrolidone	No	No	Yes	No	No	No
1-Methoxyl-2-Propanol	No	No	No	No	No	No

## 16. OTHER INFORMATION

### HMIS: Health 2, Flammability 0, Reactivity 0

Text of risk phrases mentioned in Section 2:

C	Corrosive
35	Causes severe burns
10	Flammable
36/38	Irritating to eyes and skin
61	May cause harm to the unborn child

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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