

**Material Safety Data Sheet**  
(According to ANSI Z400.1-2004)

Product: 23002  
Date: 6/7/2001

**PREGAN PASTE**  
Revision date: 2/5/2010

**1. IDENTIFICATION OF PRODUCT AND COMPANY**

Product Code: 23002  
Product Name: **PREGAN PASTE**  
Company: KIWO, Inc.  
1929 Marvin Circle  
Seabrook, TX 77586 USA  
Phone: 281-474-9777  
Fax: 281-474-7325  
Emergency Contact: 1-800-255-3924 (Chemtel)  
MSDS prepared by: Fred Widman  
Recommended use: Screen Printing Screen Cleaner

**2. HAZARD IDENTIFICATION OF THE PREPARATION**

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

**EMERGENCY OVERVIEW**

Appearance / Odor: yellowish viscous liquid / mild amine odor

Potential Health Effects: See Section 11 for more information

Likely routes of exposure: Eye and skin contact, inhalation and ingestion

Potential Health Effects: Eyes

Corrosive! This product causes irritation to eyes. Greater exposure can cause burns that may result in permanent impairment of vision, even 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
36/38	Irritating to eyes and skin
22	Harmful if swallowed

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 and non-hazardous substances  
Hazardous components:



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**Engineering controls**

General- not required  
Local exhaust- recommended. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition for details.  
Other- none

**Personal Protection**

Gloves- Impermeable recommended  
Respirator- If local or general exhaust is not used and sprays or mists are used  
Eye- NIOSH approved protective goggles recommended  
Protective footwear- not required  
Protective clothing- wear suitable protective clothing, gloves and eye / face protection  
Other- none

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : viscous liquid  
Color: yellowish  
Odor: odorless  
Flash point: n.a  
Ignition temperature: n.a  
Density: 1.35 g/cm<sup>3</sup>  
Viscosity: viscous liquid  
Explosion limits: n.a  
Boiling point: ~ 212°F (100° C)  
Vapour density: not known  
Vapour pressure: not known  
Freezing point: not applicable  
pH: ~13  
Coefficient of water/ oil distribution: dispersible in water  
Volatile Organic Compound (VOC) content: <0.1%

**10. STABILITY AND REACTIVITY**

Stable under recommended storage and handling conditions  
(see Section 7).

Store as a Corrosive liquid

Possible Harmful Reactions: Keep away from acids and oxidizers

**11. TOXICOLOGICAL INFORMATION**

**Effects of acute exposure:**

COMPONENT	CAS#	LD <sub>50</sub>	LC <sub>50</sub>
SODIUM HYDROXIDE	1310-73-2	6,600 mg/kg, oral mouse 4,090 mg/kg, oral, rat	1,200 mg/m <sup>3</sup> /2H, inhalation, mouse

**General information:**

Effects of acute exposure- can cause burning of skin and eyes  
Repeated exposure on skin may lead to significant burning.  
Irritancy of product- yes  
Skin sensitization- Prolonged exposure may cause dermatitis

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Respiratory sensitization - only if mists are present  
Eye contact – can cause permanent eye injury  
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**

This preparation has been classified by the conventional method (calculating procedure) of EG directive 1999/45/EG and according to its ecotoxic properties, (see Sections 2 and 15 for detailed information).

Do not empty into drains or release into open water. Do not store at public waste disposal sites.

**13. WASTE DISPOSAL INFORMATION**

Contaminated product, soil, or water may be hazardous waste. (See 40 U.S. Code of Federal Regulations (CFR) 261 and 29 CFR 1910). Landfill solids at permitted sites. Use registered transporters.

Dilute aqueous waste may biodegrade. Avoid overloading/poisoning plant biomass. Assure effluent complies with applicable regulations

Empty container: scrap metal recycling or re-conditioning

Soiled container: (treatment like product itself)

**14. TRANSPORT INFORMATION**

ADR/RID/DOT: Class: 8  
UN: 1823  
Sodium Hydroxide, solid

Packaging group: II

IMDG: Class: 8  
EMS: F-A, S-B  
UN: 1823  
Sodium Hydroxide, solid

Marine pollutant: no

Packaging group: II

**15. REGULATORY INFORMATION**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR and is classified as a Code E hazardous material. All ingredients are listed on the TSCA registry.

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.

**Labeling**

C Corrosive

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**R-phrases:**

35 Causes severe burns  
36/38 Irritating to eyes and skin  
22 Harmful if swallowed

**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)

Ingredient	--Canada--			
	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	Yes	No	1,000 LBS	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  
36/38 Irritating to eyes and skin  
22 Harmful if swallowed

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:**

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