

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

Product: 24308
Date: 4/26/2006

KIWO STENCIL REMOVER 1:20
Revision date: 2/5/2010

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Code: 24308
Product Name: **KIWO STENCIL REMOVER 1:20**
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: clear, colorless liquid / no 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
O	Oxidizer
8	Contact with combustible material may cause fire
35	Causes severe burns
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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CAS #	Name	OSHA TWA	ACGIH TWA
10450-60-9	Periodic Acid	Not established	Not established
7664-93-9	Sulfuric Acid	1 mg/m ³	0.2 mg/m ³ (T)
7790-28-5	Sodium Metaperiodate	Not established	Not established

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- Acid 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 : liquid

Color: colorless

Odor: odorless

Flash point: n.a

Ignition temperature: n.a

Density: 1.19 g/cm³

Viscosity: n.a

Explosion limits: n.a

Boiling point: ~ 212°F (100° C)

Vapour density: not known

Vapour pressure: not known

Freezing point: not applicable

pH: 1.2

Coefficient of water/ oil distribution: soluble 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 caustics and oxidizers

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

COMPONENT	CAS#	LD₅₀	LC₅₀
PERIODIC ACID	10450-60-9	None Found	None Found

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COMPONENT	CAS#	LD₅₀	LC₅₀
SULFURIC ACID	7664-93-9	2140 mg/kg, oral rat	510 mg/m ³ , 2H, inhalation, rat
SODIUM METAPERIODATE	7790-28-5	None Found	None Found

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
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, -*001(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: 1760
Corrosive liquid, nos
(periodic acid)
Packaging group: III
IMDG: Class: 8
EMS: F-A, S-B
UN: 1760
Corrosive liquid, nos

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(periodic acid)
Marine pollutant: no
Packaging group: III

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

R-phrases:

8 Contact with combustible material may cause fire
35 Causes severe burns
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)

Special labeling:

n.a
National Regulation for Germany:
Water pollution class: 2

Ingredient	--Canada--			
	TSCA	EC	DSL	NDSL
Periodic Acid (10450-60-9)	Yes	Yes	Yes	No
Sulfuric Acid (7664-93-9)	Yes	Yes	Yes	No
Sodium Metaperiodate (7790-28-5)	Yes	Yes	Yes	No

Ingredient	-SARA 302-		SARA 313	-RCRA-	CERCLA -	TSCA
	RQ	TPQ	List	RQ	261.33	8(d)
Periodic Acid	No	No	No	No	No	No
Sulfuric Acid	1000	1000	Yes	1000	No	No
Sodium Metaperiodate	No	No	No	No	No	No

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16. OTHER INFORMATION

HMIS: Health 2, Flammability 0, Reactivity 0

Text of risk phrases mentioned in Section 2:

C	Corrosive
O	Oxidizer
8	Contact with combustible material may cause fire
35	Causes severe burns
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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