(Reproduce locally)

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of LaborOccupational Safety and Health Administration (Non-Mandatory Form) Form Approved
OMB No. 1218-0072

IDENTITY	(as Used on Label and List)	
	NG MARKER	

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space

OSHA 174 Sept. 1985

		must be marke	a to indicate that.		
Section I				<u></u>	
Manufacturer's name HOSEI CO LTD	Emergency Telephone Number 1-800-535-5053				
Address (Number, Street, City, State and ZIP Co	Telephone Number for Info	ormation 0790-2	26-2422		
Nagasuna 810, Nishikawanabe-Aza	Date Prepared November 27, 2012.				
Kanzaki-Gun, Hyogo 679-2315, J	apan.	Signature of Preparer (optional)			
Section II—Hazardous Ingredients/Iden	tity Information				
Hazardous Components (Specific Chemical Iden		OSHA PEL ACGIH	Other I TLV Recomm		
Application: For corrosive materials					
Ingredient: Diluted Hydrochloric Aci	d CAS #7647-0	1-0 35%			
Diluted Sulfuric Acid	CAS #7664-9				
Diluted Nitric Acid	CAS #7697-3				
Distilled water	CAS #7732-18				
Total		100%	0.10 cc per	piece	
Section III—Physical/Chemical Charact	eristics				
Boiling Point 212° F (100℃)		Specific Gravity (H ₂ 0 = 1)	=		
Vapor Pressure (mm Hg) =		Melting Point none (liquid)			
Vapor Density (AIR = 1) =		Evaporation Rate (Butyl Acetate = 1)			
Solubility in Water Unlimited mix	able				
Appearance and Odor Light yellow co	olor. Hydrochloric ac	id smell.	······································		
Section IV—Fire and Explosion Hazard	Data				
Flash Point (Method Used) None		Flammable Limits None	LEL	UEL	
Extinguishing Media No ne	ed		<u></u>	<u> </u>	
Special Fire Fighting Procedures No ne	ed				
Unusual Fire and Explosion Hazards Non C	ombustible				

Section V—	Reactivity Data									
Stability		Unstable		Conditions to Avoid						
		Stable X		Indirect contact with	n skin					
Incompatibility	(Materials to Avoid)	Take cloth or glove	L	1						
Hazardous Decomposition or Byproducts none										
Hazardous Polymerization	<u> </u>	May Occur		Conditions to Avoid	A STATE OF THE STA					
1 olymonzado	•	Will Not Occur X								
Section VI-	-Health Hazard Data									
Route(s) of Er		Inhalation? Hazardous	Skin?	Hazardous	Ingestion?	Hazardous				
Health Hazard	ls (Acute and Chronic)	Toxic corrosive - Non	absorb							
Carcinogenici	ty	NTP?	IARC M	onographs?	OSHA Regulated	1?				
Signs and Syr	nptoms of Exposure	None but to watch unex	pected leak							
Medical Cond Generally Ago	itions gravated by Exposure	No symptom								
		<u> </u>								
Emergency ar	nd First Aid Procedures	Wash with liberal an	nount of water or	boric acid.						
		In case of skin irrita	tion, eye irritatio	n, see a doctor.						
Section VII-	-Precautions for Sa	fe Handling and Use								
Steps to Be T	aken in Case Material Is	Released or Spilled								
Wipe off m	aterial with cloth or	wash off with water.								
Waste Dispos										
		lar disposal articles.								
	Be Taken in Handling a									
Keep a co	• •	r the marker and place i	in normal temper	rature room.						
	of children's reach.									
	-Control Measures	Keep distance (12 inch a	around) on writing	or marking						
	rotection (Specify Type)		around) on writing							
Ventilation	Local Exhaust	Normal condition		Special None						
	Mechanical (General)	No need		Other None						
Protective Glo	oves	No need	Eye Pro	tection Wearing eye pro	otection is suggeste	ed				
Other Protect	ive Clothing or Equipme	nt No need								
Work/Hygienic Practices Keep the surface of marker dry and wipe off where leaking if any.										