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 Labor

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

IDENTITY (as Used on Label and List) ETCHING MARKER Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

		must be marked to indicate that.				
Section I						
Manufacturer's name HOSEI CO LTD		Emergency Telephone Νι	lumber 1-800-535-5053			
Address (Number, Street, City, State and ZIP Code)		Telephone Number for Inf	ormation	0790-26-2422		
Nagasuna 810, Nishikawanabe-Aza, Ichikawa	a-Chou,	Date Prepared		October 3, 2014.		
Kanzaki-Gun, Hyogo 679-2315, Japan.	,	Signature of Preparer (optional)				
Section II—Hazardous Ingredients/Identity Inform	ation					
Hazardous Components (Specific Chemical Identity, Commo	on Name(s))	OSHA PEL ACGIR	H TLV	Other Limits Recommende	d % (optional)	
Application: For corrosive materials						
Ingredient: Diluted Hydrochloric Acid (CAS #7647-01-	0 35%				
	CAS #764-93-9 7%					
	CAS #7697-37-					
Bilatod Milito Mola						
Distilled water C	CAS #7732-18-5	5 52%				
Distilled water C	CAS #7732-18-8	5 52%				
Distilled water C	CAS #7732-18-		0.10) cc per piece	9	
	CAS #7732-18-5		0.10) cc per piece)	
Total Section III—Physical/Chemical Characteristics			0.1C) cc per piece	9	
Total Section III—Physical/Chemical Characteristics		100%) cc per piece	9	
Total Section III—Physical/Chemical Characteristics Boiling Point 212° F (100°C)		100% Specific Gravity ($H_20 = 1$)	= (liquid)) cc per piece)	
Total Section III—Physical/Chemical Characteristics Boiling Point 212° F (100°C) Vapor Pressure (mm Hg) =		100% Specific Gravity ($H_20 = 1$) Melting Point none	= (liquid)) cc per piece	9	
Total Section III—Physical/Chemical Characteristics Boiling Point 212° F (100°C) Vapor Pressure (mm Hg) = Vapor Density (AIR = 1) = Solubility in Water Unlimited mixable		100% Specific Gravity ($H_20 = 1$) Melting Point none Evaporation Rate (Butyl A	= (liquid)) cc per piece	9	
Total Section III—Physical/Chemical Characteristics Boiling Point 212° F (100°C) Vapor Pressure (mm Hg) = Vapor Density (AIR = 1) = Solubility in Water Unlimited mixable		100% Specific Gravity ($H_20 = 1$) Melting Point none Evaporation Rate (Butyl A	= (liquid)) cc per piece	9	
Total Section III—Physical/Chemical Characteristics Boiling Point 212° F (100°C) Vapor Pressure (mm Hg) = Vapor Density (AIR = 1) = Solubility in Water Unlimited mixable Appearance and Odor Light yellow color.	Hydrochloric acid	100% Specific Gravity ($H_20 = 1$) Melting Point none Evaporation Rate (Butyl A	= (liquid)) cc per piece		
Total Section III—Physical/Chemical Characteristics Boiling Point 212° F (100°C) Vapor Pressure (mm Hg) = Vapor Density (AIR = 1) = Solubility in Water Unlimited mixable Appearance and Odor Light yellow color.	Hydrochloric acid	100% Specific Gravity ($H_20 = 1$) Melting Point none Evaporation Rate (Butyl A	= (liquid) :cetate = 1)			

(Reproduce locally) OSHA 174 Sept. 1985

Section V—	-Reactivity Data						
Stability		Unstable		Conditions to Avoid			
		Stable X		Indirect contac	et with skin		
Incompatibility	y (Materials to Avoid)	Take cloth or glove					
Hazardous D	ecomposition or Byprodu	cts none					
Hazardous Polymerization		May Occur		Conditions to Avoid			
		Will Not Occur X					
Section VI-	-Health Hazard Data	<u> </u> 					
Route(s) of E	ntry skin	Inhalation? Hazardous	Skin?	Hazardous	Ingestion?	Hazardous	
Health Hazar	ds (Acute and Chronic)	Toxic corrosive - Non	absorb				
Carcinogenic	ity	NTP?	IARC N	lonographs?	OSHA Regulate	ed?	
Signs and Sy	mptoms of Exposure	None but to watch unex	pected leak				
Medical Cond Generally Age	litions gravated by Exposure	No symptom					
Emergency a	nd First Aid Procedures	Wash with liberal an	nount of water o	r boric acid.			
		In case of skin irrita	tion, eye irritatic	n, see a doctor.			
		ife Handling and Use					
Steps to Be 1	aken in Case Material Is	Released or Spilled					
Wipe off m	naterial with cloth or	wash off with water.					
Waste Dispos	sal Method						
Normal me	ethod done on regu	lar disposal articles.					
	o Be Taken in Handling a						
Кеер а со	ver (lid) closed over	the marker and place i	n normal tempe	rature room.			
Other Precau		·	-				
Keep out o	of children's reach.						
Section VII-	—Control Measures						
Respiratory P	Protection (Specify Type)	Keep distance (12 inch a	around) on writing	or marking.			
Ventilation	Local Exhaust	Normal condition		Special N	lone		
	Mechanical (General)	No need		Other	None		
Protective Glo	oves	No need	Eye Pro	ntection Wearing e	ve protection is suggest	ted	
Other Protect	ive Clothing or Equipmen	nt No need					
Work/Hygieni	ic Practices Keep the	surface of marker dry and	wipe off where	leaking if any.			