IDENTITY CERASOLZER ECO 217			No. 031733	Revisi	on A		
Section I							
Manufacturer'Name Senju Metal Industry Co.,Ltd.							
Address 23, Senju-Hasido-cho, Adachi-ku, Tokyo, JAPAN 120-8555		Telepho 03(38	Telephone Number for Information 03(3888)5152				
			Data Prepared 16 Jul, 2003				
Section II — Hazardous Ingredients/	Identity Info	ormation					
Hazardous Components CAS N	o .	OSHA PEL	ACGIH	TLV	. %		
Tin 7440- *Current OSHA standa List for tin, tin oxi STEL is for 4 mg/m³	rd, and ACGIH	2mg/m³ (8H (1980) Inter anic compo	ded changes	n³(8Hr-TWA) ,as Sn.	94~96		
Antimony 7440-	36-0 (0.5mg/m³(81	Ir-TWA) 0.5mg/n	3 (8Hr-TWA)	3~5		
Zinc 7440-66-6					1~3		
							
선생 현실회 그 중에게 생활 합니다.			organización de la companiente de la c		"건물하는 다.		
Section MI — Physical/Chemical Char Boiling Point		Specifi	c Gravity (H ₂ 0=1)	7. 28		
Boiling Point	acteristics NA)	7. 28		
			c Gravity (H₂0=1 Point (°C))	7. 28 199~217		
Boiling Point Vapor Pressure (mm Hg)	NA.	Melting					
Boiling Point Vapor Pressure (mm Hg) Vapor Density (AIR=1) Solubility in Water	NA NA	Melting	Point (°C)		199~217		
Boiling Point Vapor Pressure (mm Hg) Vapor Density (AIR=1) Solubility in Water I Appearance and Odor	NA NA NA	Melting Evapora	Point (°C)		199~217		
Boiling Point Vapor Pressure (mm Hg) Vapor Density (AIR=1) Solubility in Water Appearance and Odor	NA NA NA nsoluble	Melting Evapora	Point (°C)		199~217		
Boiling Point Vapor Pressure (mm Hg) Vapor Density (AIR=1) Solubility in Water Appearance and Odor Section IV — Fire and Explosion Haz	NA NA NA nsoluble	Melting Evapora	Point (°C)		199~217		
Boiling Point Vapor Pressure (mm Hg) Vapor Density (AIR=1) Solubility in Water Appearance and Odor Section IV — Fire and Explosion Haz Flash Point Extinguishing Media	NA NA NA nsoluble	Melting Evapora etal, oderle	Point (°C) Ation Rate (Butyl Acet	cate=1)	199~217 NA		
Boiling Point Vapor Pressure (mm Hg) Vapor Density (AIR=1) Solubility in Water Appearance and Odor Section IV — Fire and Explosion Haz Flash Point Extinguishing Media	NA NA NA nsoluble ilver-gray mo ard Data dioxide and	Melting Evapora etal, oderle Flammak	Point (°C) Ition Rate (Butyl Acet	LEL_	199~217 NA UEL		

Hazardous Decomposition Hazardous Polymerization Section VI— Health Hazardous Route of Entry: Health Hazards When heated, vapors ca	May Occur Will Not Occur		cids, hydrogen per	om heat, sparks and open flames.	
Hazardous Decomposition Hazardous Polymerization Section VI— Health Haz Route of Entry: Health Hazards When heated, vapors ca	rong oxidizing materia or Byproducts N. on May Occur Will Not Occur ard Data Inhalation	als, ac	cids, hydrogen per	oxide.	
Hazardous Decomposition Hazardous Polymerization Section VI— Health Haz Route of Entry: Health Hazards When heated, vapors ca	or Byproducts N. May Occur Will Not Occur ard Data Inhalation	A	Conditions to A		
Hazardous Polymerization Section VI— Health Hazards Route of Entry: Health Hazards When heated, vapors ca	May Occur Will Not Occur ard Data Inhalation			void NA	
Section VI — Health Haz Route of Entry: Health Hazards When heated, vapors ca	Will Not Occur ard Data Inhalation	X		lvoid NA	
Route of Entry: Health Hazards When heated, vapors ca	ard Data Inhalation	X	Clair		
Route of Entry: Health Hazards When heated, vapors ca	Inhalation		Clata		
Health Hazards When heated, vapors ca			CI.J.		
When heated, vapors ca	un cause irritation to	7 .	Skin	Ingestion	
		eyes,	nose and throat.	May cause headache.	
Carcinogenicity: Not 1	isted NTP		IARC Monogra	aphs OHSA Regulated	
Signs and Symptoms of I Symptoms of the neuro convulsion, muscular	exposure logical effects may in tremors, and palsy of t	nclude he ext	e irritability, he tremities.	eadaches, insomnia, delirium,	
Medical Conditions	Generally Aggravate	d by I	Exposure		
Emergency and First Aid Inhalation : Excessive present, th	overexposure may resu	lt in	an acute or chro ved from exposure	onic illness. If symptoms are and a physician consulted.	
Ingestion : Call a phys	ician at once.				
Skin: For hot metal by After handling	urns, exposed area shou colder, wash throughly	d be o	cooled with water soap and water.	and get medical attention.	
Section VII - Precaution	ns for Safe Handling a	nd Use	э		
Steps to Be Taken in Ca Avoid inhalation of s	ase Material is Releas solder fume or dust. V			ad.	
Waste Disposal Method Contact supplier or a disposal requirements		ste d	isposal contracto	or for treatment, packaging, and	
Precautions to Be Taker Avoid breathing smoke	in Handling and Store during soldering. Wa	ing sh har	nds before eating	g or smoking after handing solde	
Other Precautions					
Section VII - Control Me	easures				
Respiratory Protection A NIOSH approved dus	t/fume respirator shou	ld be	worn where appli	icable limits may be exceeded.	
Ventilation Local	Exhaust Remove smok	e from	m breathing area	Special Not required	
Mechai	nical			Other	
Protective Gloves Use plastic or rubben necessary to avoid sl	r gloves and aprons w	here	Eye Protection Safety glasse areas where s	es or goggles should be worn in splashing may occur.	
Other Protective Cloth Provide sufficient me below TLV's.	ing or Equipment echaniical (general an	d/or	local exhaust) ve	entilation to maintain exposure	