Material Safety Data Sheet

IDENTITY CERASOLZER #224	No. 910021	Revision B			
Section I			· · · · · · · · · · · · · · · · · · ·		
Manufacturer's Name Senju Metal Industry Co,. Ltd.					
Address 23, Senju-Hashido-cho, Adachi-ku, To		Telephone Number for Information 03(3888)5152			
		Data Prepared Mar., 12, 20	002		
	Signature of Prepare	Signature of Prepare			
Section II - Hazardous Ingredients/Identit	y Information				
Hazardous Components CAS	S No.	OSHA PEL	ACGIH TLV	%	
Tin 7440-	31-5	2 mg/m3	2 mg/m3	38	
Lead 7439-	-92-1	0.05 mg/m3	0.05 mg/m3	56	
Zinc 7440-	66-6	NE	NE	2	
Antimony . 7440-	36-0	0.5 mg/m3	0.5 mg/m3	3	
Al, Ti, Si, Cu				1	
	-				
		Specific Gravity (H2	O = 1)	0.7	
Boiling Point	stics NA NA	Specific Gravity (H2 Melting Point (℃)		9.7	
Boiling Point Vapor Pressure (mm Hg)	NA				
Japor Pressure (mm Hg) Japor Density (AIR = 1)	NA NA	Melting Point (°C)		224	
Japor Pressure (mm Hg) Japor Density (AIR = 1) Solubility in Water Insoluble	NA NA NA	Melting Point (°C)		224	
Japor Pressure (mm Hg) Japor Density (AIR = 1) Solubility in Water Insoluble Appearance and Odor Silver-gray met	NA NA NA	Melting Point (°C)		224	
Japor Pressure (mm Hg) Japor Density (AIR = 1) Solubility in Water Insoluble Appearance and Odor Silver-gray met	NA NA NA	Melting Point (°C)		224	
Japor Pressure (mm Hg) Japor Density (AIR = 1) Solubility in Water Insoluble Appearance and Odor Silver-gray met Section IV - Fire and Explosion Hazard Da Flash Point (Solvent used in this flux) NA	NA NA NA	Melting Point (°C) Evaporation Rate (Butyl Acetate = 1)	ALLOYS	224 NA	
Appearance and Odor Silver-gray met Section IV - Fire and Explosion Hazard Da Flash Point (Solvent used in this flux) NA Extinguishing Media	NA NA NA al,odorless.	Melting Point (°C) Evaporation Rate (Butyl Acetate = 1)	ALLOYS LEL	224 NA	

Section V - Reactivity Data			IDENTITY Cerasolzer #224							
Stability	Unstable		Conditions to Avoi							
	Stable	х	Keep aw	ay from he	eat,sparks and open flames.					
Incompatibility Strong oxidizing materials, acids, hydrogen peroxide.										
Hazardous decomposition or Byproducts lead oxide fume.										
Hazardous Polymerization	May Occur	May Occur Co		Conditions to Avoid		NA				
- Olymenzation	Will Not Occur	х								
Section VI - Health Hazard Data										
Route of Entry:	Inhalation			Skin		Ingestion				
Health Hazards When heated, vapors can cause irritation to eyes, nose and throat. May cause headache.										
The chief effects of excessive lead intake are anemia, neurological disorders, and kidney damage.										
Carcinogenicity: N	ot listed NTP		IAR	C Monogr	aphs	OHSA Regulated				
Signs and Symptoms of Exposure Symptoms of the neurological effects may include irritability, headaches, insomnia, delirium, convulsion, muscular tremors, and palsy of the extremities.										
Medical Conditions Generally Aggravated by Exposure										
Emergency and First Aid Procedures Inhalation: Excessive overexposure may result in an acute or chronic illness. If symptoms are present, the individual should be removed from exposure and a physician consulted.										
Ingestion: Call a physician at once.										
Skin: For hot metal burns, exposed area should be cooled with water and get medical attention. After handling solder, wash thoroughly with soap and water.										
Section VII - Precautions for Safe Handling and Use										
Step to Be Taken in Case Material is Released or Spilled Avoid inhalation of solder fume or dust. Vacuuming is recommended.										
Water Disposal Method Contact supplier or a licensed chemical waste disposal contractor for treatment, packaging, and disposal requirements.										
Precautions to Be Taken in Handling and Storing Avoid breathing smoke during soldering. Wash hands before eating or smoking after handing solder.										
Other Precautions										
Section VIII - Control Measures										
Respiratory Protection A NIOSH approved dust/fume respirator should be worn where applicable limits may be exceeded.										
Ventilation Local Exhaust Remove smoke from breat Mechanical			rom breath	ing area	Special	Not required				
					Other					
Protective Gloves Use plastic or rubber gloves and aprons where necessary to avoid skin contact.			cessary	Eye protection Safety glasses or goggles should be worn in areas where splashing may occur.						
Other Protective Clothing or Equipment Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV's.										
Work/Hygienic Practices										