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IDENTITY	No	No		
ECOSOLDER PASTE SHF	4 1	102972		
Section I		and a south of the		
Manufacturer' Name	Telephone Number	Telephone Number for Information		
Senju Metal Industry Co., Ltd.	03(3888) 5156			
Address	Data Prepared			
23, Senju-Hashido-cho, Adachi-ku, Tok	25 Jun. 2010			
120-8555				
Section II — Hazardous Ingredients/I	dentity Informat	aion		
Hazardous Components (CAS No.	OSHA PEL	ACGIH TLV	%
Tin 7	440-31-5	2mg/m³ (8-hrTWA)	2mg/m ³ (8-hrTWA)	80 ~ 90
	•	d ACGIH (1980) Inter	_	
		organic compounds (ex	ccept SnH4),as Sn.	
STEL is for			24	
		0.01mg/m ³ (8-hrTWA)	0.1mg/m ³ (8-hrTWA)	
* *	440-50-8 (0.1mg/m ³ (8-hrTWA)	0.2mg/m ³ (8-hrTWA	
Rosin				4~6
Bis[2-(2-methoxyethoxy- 14 ethyl)] ether	13-24-8			< 2
Section \mathbb{II} – Physical/Chemical Char	acteristics			
Boiling Point	275℃	Specific Gravity (H ₂ O=1)	4
Vapor Pressure (mm Hg)		Melting Point (°C	g Point (°C)	
	NA		ALLOY	217 ~ 220
Vapor Density (AIR=1)		Evaporation Rate	?	
	NA	(But	yl Acetate=1)	NA
Solubility in Water	Insoluble			
Appearance and Odor				
	Grey paste, mild	ether-like.		
Section V — Fire and Explosion Haza	ırd Data			
Flash Point (Solvent used in this flux)		Flammable Limit	Flammable Limits LEI	
C.O.C 140 ℃				
Extinguishing Media				-
Carbo	on dioxide and/or	dry chemical		
Special Fire Fighting Procedures				
Use self-contained breathing appa	ratus and full pr	otective clothing for f	res in enclosed areas	
Unusual Fire and Explosion Hazards				
NA				

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Section V – Reactivity Data	IDE	TY ECOSOLDER PASTI	ESHF M	I705-S101ZH-S4				
Stability	Unstable	ļ	Conditions to Avoid					
	Stable	×	Keep away from heat	t, sparks a	ind open flames.			
Incompatibility Strong oxidizing materials, acids and hydrogen peroxide.								
Hazardous Decomposition or Byproducts Rosin acids, CO, CO ₂ and aliphatic aldehydes.								
Hazardous Polymerization	May Occur		Conditions to Avoid		NA			
	Will Not Occur	×						
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.								
Carcinogenicity: Not listed NTP		I	ARC Monographs O	HSA Regu	ılated			
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 o	nce.							
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								
Steps to Be Taken in Case Material is Released or Spilled								
Avoid inhalation of solder fume or dust. Vacuuming is recommended.								
Waste 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 VII — Control Measures								
Respiratory Protection								
A NIOSH approved dust/fume respirator should be worn where applicable limits may be exceeded.								
Ventilation Local Exh	aust Remove sn	noke	from breathing area	Special	Not required			
Mechanic	al			Other				
Protective Gloves			Eye Protection					
Use plastic or rubber gloves and aprons where			Safety glasses or goggles should be worn in					
necessary to avoid skin contact.			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								
NA								