Original edition: May 16, 2016 Latest revision: June 16, 2016

## **Product Information Sheet**

Item	Description						
1. Identification	Product category :		: Prepreg				
Product designation		ct designation	: R-1570				
	Company name		: Panasonio	c Corporation, Automotive & Ind	ustrial Systems Company		
	Locat	ion	: 111,Azais	shizuka,Koriyama,Fukushima 96	3-8556 Japan		
	Department		: Quality Assurance Koriyama Department, Quality Center				
			:				
	Telephone number		: +81-24-944-2903				
	_	number	: +81-24-944-6086				
2. Hazards			: Not applicable to Classification Standard				
identification			* *	Not applicable			
				Not applicable			
	-			Not applicable			
3. Composition /		Classification (single product or composite) : Composite					
information on ingredients and contained amount :							
		Ingredier	nt	CAS Number	Contained amount (wt%)		
		Cured epoxy	resin	None	20 to 50		
		Inorganic fi	iller	Trade secret	15 to 45		
		Woven glass	cloth	65997-17-3	15 to 60		
		-		-	-		
		Total		-	100		
	In cas	e of skin contact	: When you	g, wash your skin with a soap and	ek medical advice.  vder generated during handling and d clean water and, as needed, seek		
	In case of eye contact :		: When you processin	When your eyes are in contact with fine powder generated during handling and processing, never rub your eyes by hand and wash them with clean water immediately and, as needed, seek medical advice.			
	If swallowed :		-	When you inhaled fine powder generated during handling and processing, gargle with clean water and, as needed, seek medical advice.			
5. Fire fighting measures				: Battle the fires from the windward side to avoid inhalation of toxic gas.  Wear respiratory protection equipment depending on the situation.			
				guishants such as water, powder, pecified.	foams, carbon dioxide although		

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6.	Accidental release measures	Precautions for human body	: Wear a protective mask, protective gloves and protective glasses as needed.				
		Collection and purification method, etc.	: When materials such as powder and mills ends have spilled on the floors, etc., clean them quickly and quietly so that powder dust does not fly and treat them in an appropriate way in accordance with country's or regional restrictions.				
7.	Precautions for handling and storage	Handling	: If powder dust generated from cutting or drilling process is attached on skin, skin may be irritated or poisoned. Wear protective tools when operating at such a workplace to avoid direct contact with powder dust.				
		Storage	: Avoid direct sunlight and store the product under recommended temperature and humidity conditions from our company.				
8.	Exposure controls	Control concentration	: Not applicable				
	and protection measures	Allowable concentration Japan Society for Occupational Health	: The Japan Society for Occupational Health : Class 3 dusts(Inorganic and dusts other than Class 1 and 2); Respirable dust 2mg/m³, Total dust 8mg/m³				
		ACGIH	: Not applicable				
		Equipment measures	: Provide a local ventilation equipment since powder dust generates during processing.				
		Protective equipment					
		Protective mask	Necessary wearing				
		Protective glass	: Necessary wearing				
		Protective glove	: Necessary wearing				
		Protective cloth	: Necessary wearing				
9.	Physical and	Appearance	: Solid sheet				
	chemical	Melting point (°C)	: 60 to 100℃				
	properties	Specific gravity(23°C)	: 1.6 to 2.0				
10.	Stability and reactivity	Stability, reactivity	: Chemically stable in ordinary temperatures				
11.	Toxicity	Skin corrosivity	: None known				
	information	Irritating nature (skin,	: None known				
	(including	eyes)					
	symptoms of humans and	Sensitizing property	: None known				
	epidemiological information)	Acute toxicity (including 50% lethal amount, etc.)	: None known				
		Chronic toxicity	: None known				
		Carcinogenic	: None known				
		Mutagenesis(microorgani sm, chromosomal aberration)	: None known				
		Reproductive toxicity	: None known				
		Teratogenicity	: None known				

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12. Environmental impact information	Resolvability : None known Accumulation property : None known Fish toxicity : None known Others : None known					
13. Disposal considerations	Outsource disposal of waste products to industrial waste disposers. Follow relavant national and local regulations when disposing waste products.					
14. Transportation considerations	There is no safety problem in transportation. However, avoid moisture absorption, exposing to water and rough handling during transportation.					
15. Regulatory information	<ul> <li>Follow relevant national and local regulations for processing our product.</li> <li>Ensure the environment for processing this material in compliance with federal requirements and ensure conformity to local regulations.</li> <li>Processing this product is followed by the competent regulations in an applicable country or region.</li> </ul>					
16. Other information	The product handled in this document is not categorized as "chemical product", we're not legally required provide customers with the SDS documents. This document contains the general information needed for keeping safe working environment for customer's reference, and is supposed to provide to customers upoindividual request.  As original chemical structure of raw materials have already extinguished by polymerization, it shall not deemed as an exposure of raw materials even if the dust of cured dielectric layer is appeared in customer's process.  However, please be advised that customer has responsibility to secure an safe working environment by installing the ventilation equipment as described in Article 8 of this document. Any use of our product for unordinary use or under unrecognized situation are not supposed. In such a case, customer will be respon for taking the appropriate measure to secure the safe working environment.  As actual component contents vary according to the detailed specification of each multilayer materials., to table described in Article 3 in this document covers entire range of all of product specifications.  The description in this document is based on the information at the time of issuance or revision. Custome have to be advised that any part of information in this document may contain deviations from latest regulations or product specifications.  Cited references;  Chemical Risk Information Platform (NITE)  SDS (from source material suppliers) etc					