

SAFETY DATA SHEET

METACUP THERMAL ANALYSIS CUP - SERIES

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: METACUP Analysis Cup - SERIES
Vendor Name: SYSCON Sensors
1108 South High Street
Indiana, South Bend 46601
Phone: (574) 232-3900

SECTION 2 – HAZARD IDENTIFICATION

This product gives off small amounts of carbon monoxide, carbon dioxide, aldehydes, phenol and other unidentified compounds upon combustion. The product should be used in a well-ventilated area.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	PEL (mg/m3)	TLV (mg/m3)	% Weight	CAS #	SARA III Recordable
Quartz glass	10% + 2	0.05	<1	14808-60-7	No
Platinum wire	1	1	<1	7440-06-4	No
Platinum/Rhodium Wire	0.1	1	<1	7440-16-6	No
Mastic Cement	15	5	<1	65997-16-2	No
Refractory Ceramic Fiber	.05 f/ml	0.2 f/ml	<45	14284-00-2	No
Inert Inorganic Material	N.A.	N.A.	40-80	N.A.	No
Organic Material	N.A.	N.A.	<7	N.A.	No

Resinated Silica Sand	10	0.1	95	14808-60-7	No
Tellurium Cups					
Tellurium Paste	None est.	None est.	<1		
Tellurium	0.1	0.1	60	13494-80-9	Yes
Water	None est.	None est.	10	N.A.	No
Hydrated Alumina	None est.	10	30	N.A.	No

SECTION 4 – FIRST AID MEASURES

Possible exposure to broken glass from inside Meta-Cups

Eye exposure: Eye irritant or cuts; Cut exposure: Cuts on hands

Emergency and First Aid Procedures: For eye exposure – Flush eyes at eye wash station or consult a physician. For cuts to skin: Flush effected area with water and bandage as appropriate or consult a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: N/A

Flammable Product: N/A

Extinguishing Media: Use carbon dioxide, water or foam

Firefighting Procedures: If entering a confined area, fire fighters should wear a NIOSH approved, self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

No hazards from accidental release of gases or fumes. Product is solid in all components. Discard any broken cup shells or broken glass.

Waste Disposal: Landfill in accordance with local, state, and federal regulations

SECTION 7 – HANDLING AND STORAGE

Handling: Do not over stack boxes, do not drop boxes, use gloves and safety glasses when using and discarding used products. Do not use wet or damp Meta-Cups

Storage: Store in a dry, cool place. Do not use any Meta-Cups with any sign of moisture or dampness.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Control - PEL, TLV covered under Composition/Information on Ingredients section 3 – see table

Personal Protection: Wear gloves when handling the product before and after use to prevent eye contamination. Use the product in a well-ventilated environment to prevent irritation from inhalation before and after use. Dispose of used product promptly after use. In the workplace where the product is used, wear protective equipment appropriate for safe molten metal work, such as hard hat, safety glasses, safety shoes, fire retardant clothing and gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A	Vapor Pressure: N/A
Appearance: Solid, sand square cup	
Solubility in water: No	
Material: Solid	

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable, solid materials

Reactivity: Do not use wet or damp Meta-Cups, resin may react with strong oxidizers

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes, phenol and other unidentified compounds may form upon combustion.

SECTION 11 – TOXICOLOGICAL INFORMATION

Undetermined or established limits to short term or long-term effects of short, limited exposure to resin decomposition compounds.

Disclaimer of Liability: The above information was extracted from SYSCON Sensors SDS from our raw material suppliers.

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Sources Used: Data from Supplier

Prepared By: Jenny Hernandez

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SYSCON International, Inc.
1108 High Street
South Bend, Indiana 46601
www.sysconsensors.com
+1.574.232.3900 x3

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