

SAFETY DATA SHEET MD-10 SERIES THERMOCOUPLE

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: MD-10 - Series
Manufacturer Name: SYSCON Sensors
1108 High Street
Indiana, South Bend 46601
Phone: (574) 232-3900
Emergency Number: (574) 232-3900

SECTION 2 - HAZARD IDENTIFICATION

This product is considered non-hazardous, if used properly.
This is a solid product and does not breakdown or omit any gases when used.
Copper Nickel wire is a SARA recordable in a <1% amount and will not melt under normal usage.

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
Plastic Plug	N/A	N/A	<10	09010-79-1	No
Mastic Cement	15	5	<5	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
Copper Nickel Wire	Not est.	1	<1	7440-02-0	Yes
Note: Group 2A Probable Human Carcinogen					
Ceramic Housing	2F/CC	2F/CC	81	Not established	No

SECTION 4 – FIRST AID MEASURES

Possible exposure to broken glass from thermocouple tip
Eye exposure: Eye irritant or cuts; Cut exposure: Cut to 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

Discard any broken MD-10 thermocouples
Waste Disposal: Landfill in accordance with local, state, and federal regulations

SECTION 7 – HANDLING AND STORAGE

Handling – Do not drop boxes, protect glass tip, discard any broken MD-10 thermocouples in a landfill in accordance with local, state and federal regulations
Storage – Store in a dry, cool place. Do not use wet or damp thermocouples.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Personal Protection: No special handling required for the product alone, however 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: Ceramic/glass tip	Solubility in water: No
Material: Solid	

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable, Solid material
Reactivity: No reactivity under with typical chemical classes
Ensure thermocouples are not dry or damp or the moisture may react with the metal the thermocouple is used in

SECTION 11 - TOXICOLOGICAL INFORMATION

No known toxicological concerns with the product. Possible exposure to broken glass in eyes or to skin. No toxic or irritant in glass or wire under glass.

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

However, no warranty of merchantability, fitness for any use, or any other warranty is express or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.

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