INNOVATIVE PRODUCTS FOR STAGE LIGHTING

Materials Safety Data Sheet

Subject:	ROBOLIGHTS SMART SOCKET
Date:	October 2001
Product description:	This Materials Safety Data Sheet relates to a socket outlet box known as the Smart Socket. The Product consists of three component parts: - the Body, Lid and Clamp.
Material description:	The Product is injection moulded using medium impact ABS (Acrylonitrile-butadiene-styrene)
Material type:	Polylac® PA-717C Manufactured by: Chi Mei Corporation 59-1 San Chia, Jea Te Tainan County Taiwan R.O.C.
Heat distortion temperature:	208°C (Data Source 2)
Flammability:	Auto ignition temperature 505°C (Data Source 1) Flash point 349°C (Data Source 1) Raw ABS material tested to UL (Underwriters Laboratories) & C-UL Specification UL94. File No. E56070 refers. (Data source 2 + 4)
Extinguishing media:	Dry, Chemical, Water spray, Carbon Dioxide, Foam. (Data Source 1)
Electrical resistivity:	$>10^{15}$ Ohms @ 73 °C (Data Source 3)
Other precautions:	The Smart Socket is specifically designed for use with internally wired lighting bars. Light sources emit varying amounts of heat during normal operation and as such the Smart Socket should be installed and used with consideration to this factor. Contact with the outer cases of light sources should be avoided under all circumstances as surface temperatures can often exceed 220°C, which will cause distortion of the Smart Socket moulding.
Data Sources:	1. Polymer Technology & Services, LCC:- www.ptsinc.net/absmsds.html 2. Chi Mei Corporation:- www.chimei.com.tw/cm/english/product/e-polylac-1.htm 3. Entec Polymers:- www.entecpolymers.com/chimei/data_pa717c.htm 4. UL Standards:- http://ulstandardsinfonet.ul.com

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