

MATERIAL SAFETY DATA SHEET

EVANS CAPACITOR COMPANY, 72 BOYD AVENUE, EAST PROVIDENCE, RI 02914 401-435-3555
Manufacturers of High Energy Density Capacitors

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Date Prepared: October 1, 2014

PRODUCT IDENTIFICATION *Hybrid* Capacitor tantalum electrolytic capacitor

I. HAZARDOUS INGREDIENTS

Component	CAS #	OSHA PEL ppm	ACGIH TLV ppm	Other Limits Recommended	Max. %
Sulfuric acid	7664-93-9	1 mg/m ³	1 mg/m ³		5
Tantalum	7440-25-7	5 mg/m ³	5 mg/m ³		91
Ruthenium Oxide	32740-79-7	Not hazardous			2
Stainless Steel		Not hazardous			1
Borosilicate Glass		Not hazardous			1
Other					<1

II. PHYSICAL DATA

Maximum Operating Temperature, see product literature.

Specific Gravity

16

III. FIRE AND EXPLOSION DATA

Capacitors can burst and leak electrolyte if subjected to excessive voltage, reverse voltage or excessive temperature. See product literature for operating instructions.

IV. HEALTH HAZARD DATA

Electrocution Risk. Avoid personal contact with high-voltages which may be present on charged capacitors. Electrolyte contains sulfuric acid. Exposure to electrolyte is not possible unless case or seal is compromised. Avoid conditions which can burst case (see Section III). Sulfuric acid can cause serious burns to all tissues contacted. Sulfuric Acid Exceedingly dangerous to the eyes. Protect skin and eyes from contact with sulfuric acid. Overexposure from inhalation may lead to pulmonary edema. Long exposures are claimed to lead to respiratory infections, emphysema, and digestive disturbances.

Emergency First Aid Flush exposed skin and eyes immediately with cold water. Seek physician, especially if eyes are exposed.

V. SPECIAL INSTRUCTIONS

Avoid exposure to finely divided tantalum. Normal exposure to tantalum metal is not hazardous. Do not cut, drill, puncture, grind, or machine case. Do not incinerate.