

Safety Data Sheet

1. Product and Company Identification

Product Name : Aluminium Electrolytic Capacitor

Details of the supplier of the safety data sheet

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 8701 202530

Emergency telephone number

+44 1865 407333

2. Composition, Information on Ingredients

Common Names & Share Out & Component Chemical Name		CAS No:	Share Out	
Foil	55%	Al	7429-90-5	99.98%
		Fe	7439-89-6	0.004%
		Cu	7440-50-8	0.005%
		Si	7440-21-3	0.004%
Lead wire	12%	Al	7429-90-5	40.00%
		Fe	7439-89-6	43.00%
		Cu	7440-50-8	11.70%
		Sn	7440-31-5	5.30%
Electrolytic Capacitor Paper	5%	Cellulose	9004-34-6	45.00%
		Hemi cellulose	9034-32-6	28.00%
		Lignin	9005-53-2	25.00%
		Ash content	68131-74-8	2.00%
Aluminium Case	10%	Al	7429-90-5	99.76%
		Fe	7439-89-6	0.14%
		Cu	7440-50-8	0.00%
		Mn	7439-96-5	0.00%
		Si	7440-21-3	0.04%
Rubber Cover	10%	EPDM	25038-36-2	34.00%
		CaCO3	471-34-1	54.00%
		Carbon black	1333-86-4	7.00%
		Zinc oxide	1314-13-2	1.70%
		TAIC	1025-15-6	1.10%
		Antiager	26780-96-1	0.60%
Sleeve	5%	Poly(vinyl chloride)	9002-86-2	85%
		methyltin	57583-35-4	2%
		diisononyl phthalate	68515-48-0	7.30%
		Octadecanamide	124-26-5	1.70%

Common Names & Share Out & Component Chemical Name		CAS No:	Share Out	
Sleeve	5%	pigment	1333-86-4	0.50%
		Methyl	25053-09-2	3.50%
Electrolytes For Aluminum Capacitor	3%	Glycol	107-21-1	23.00%
		Ammonium B	19090-60-9	7.00%
		additive	Business secret	5.00%
		Pure water	7732-18-5	65.00%

3. Hazard Identification

Most Important Health Hazards and Reactions

Health Hazards and Reactions : NO
Environmental Impact : NO
Physical and Chemical Hazards : NO
Specific Hazards : NO
Cardinal Symptoms : NO
Hazard Classification : NO

4. First Aid Measures

First Aid Measures for Different Kinds of Exposures:

Inhalation : Go consulting a doctor urgently
Skin Contact : Immediately flush the skin with water and soap
Eye Contact : Immediately flush the eyes with large amounts of water.
Ingestion : Gargle with water and go consulting a doctor urgently.
Most Important Symptoms and Hazard Reactions : NO
/Protection to First-Aid Attendants : NO
Suggestions to Doctors : NO

5. Fire Fighting Measures

Suitable Extinguishing Media : Powder Extinguisher: CO₂ Extinguisher
The high performance prevented burns extinguisher
Special Hazards in Fire : NO
Special Fire-Fighting Procedures : NO
Required Special Protective Equipment for Fire-Fighters : Turn off the power supply

6. Accidental Release Measures

Personal Precautions : Eyes are far away from the capacitor.
Environmental Precautions : Do not abandon it at will
Methods for Cleaning : Please appoints the qualified environmental protection Unit to do the recycling project.

7. Handling and Storage

Handling	: Please appoints the qualified environmental protection unit to do the recycling project.
Storage	: To Pay attention on the capacitor reusing after discharge, Do not reverse voltage applied.
Storage	: Temperature: ≤30°C; Humidity ≤70%

8. Exposure Controls, Personal Protection

Engineering Measures	: NO
Control Parameters	: (TWA/ STEL/CEILING)
BEIs	: -
Personal Protection Equipment	: -
Respiration	: NO
Hand	: NO
Eye	: NO
Skin & Body	: NO
Hygiene Measures	: NO

9. Physical and Chemical Properties

State of Substance	: Solid
Colour	: Rich
Appearance	: Column
pH Value	: 6~7
Explosion Limits	: Strictly prohibits over voltage applied or reverse voltage

10. Stability and Reactivity

Stability	: Steady
Possible Hazard Reaction Under Special Conditions	: Over voltage applied and Reverse voltage applied which will cause capacitor explosion.
Materials to Avoid	: Water Aromatic Hydrocarbon(s); Low molecular Ketenes & Esters; Halogenated Hydrocarbon

11. Toxicological Information

Acute Toxicity	: NO
Local Reactions	: NO
Sensitivity	: NO
Chronic or Long Term Toxicity	: NO
Special Reactions	: NO

12. Ecological Information

Possible Environmental Impact/Environmental Run-offs	: N/A
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13. Disposal Considerations

Please appoint qualified environmental protection unit to do the recycling project.

14. Transport Information

Special Transportation Methods
and Precautions : NO

15. Regulatory Information

Law Information : NO

16. Other Information

All the above data/information are based on our present knowledge. Hence, they shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

Part Number

MCRH63V107M10X13

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