

Safety Data Sheet

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Section 1: Identification of the product and of the company/undertaking

1.1. Product identifier

Product name : Metal Film Fixed Resistors

1.2. 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

Section 2: General Composition

Part Name	Substance	CAS No.	Substance percent (%)	
			1/2W	1/4W
Ceramic Rod	Aluminium trioxide	1344-28-1	26.24	10.83
	Silica	14808-60-7	7.80	3.22
	Barium oxide	1304-28-5	2.13	0.88
Resistance Film	Nickel	7440-02-0	0.21	0.09
	Chromium	7440-47-3	0.05	0.02
End Cap	Iron	7439-89-6	16.02	7.02
	Copper	7440-50-8	2.44	1.07
	Tin	7440-31-5	1.98	0.87
Lead Wire	Copper	7440-50-8	35.44	67.29
	Tin	7440-31-5	1.10	2.08
Insulation Coating	Epoxy resin	25085-99-8	3.54	3.53
	Calcium carbonate	471-34-1	1.61	1.60
	Titanium dioxide	13463-67-7	1.16	0.90
	Pigments	147-14-8	0.06	0.06
	Butyl cellosolve	111-76-2	0.06	0.32
Colour code	Epoxy resin	25085-99-8	0.11	0.16
	Titanium dioxide	13463-67-7	0.04	0.05
Total			100	100

Section 3: Hazards Identification

Primary Routes of Entry : Not applicable
Signs and Symptoms of Exposure : Not applicable
Medical Conditions
Aggravated by Exposure : Not applicable
Potential Health Effects Inhalation : Not applicable
Skin Contact : Not applicable
Eye Contact : Not applicable
Long Term Exposure : Not applicable

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Ingestion : Not applicable
Long Term Exposure : Not applicable

Section 4: First Aid Measures

Inhalation : Not applicable
Skin Contact : Not applicable
Eye Contact : Not applicable
Ingestion : Not applicable

Section 5: Fire Fighting Measures

Flash Point : Not applicable
Autoignition : Not applicable
Flammability Limits (%) : Not flammable
Extinguishing Media : Water, Foam, Carbon dioxide or dry chemical.
Protective equipment : Wear self-contained respiratory protective device. Wear fully protective suit.
Fire and Explosion Hazard : No unusual fire or explosion hazards are known for this product.
Hazardous Combustion Products : Oxides of carbon.

Section 6: Accidental Release Measures

Transfer contaminated products to separate, suitable containers for recovery or disposal.
Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling And Storage

Handling : Prevent formation of dust.
Storage : Store in a cool, dry place.

Section 8: Exposure Controls/Personal Protection

Ventilation : None required
Eye Protection : None required
Protective Clothing : Wear appropriate clothing.
Gloves : Wear appropriate gloves to avoid any skin injury.
Breathing Equipment : Use suitable respiratory protective device in case of insufficient ventilation.

Section 9: Physical And Chemical Properties

Description : This product is solid.
Melting Point : Not applicable
Freezing Point : Not applicable
Pressurized : Not applicable
Boiling Point : Not applicable
PH : Not applicable
Specific Gravity (H2O=1) : Not applicable
Evaporation Rate : Not applicable
Water Solubility : This product isn't water soluble.
% Volatility : Not applicable

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Section 10: Stability And Reactivity

Conditions to Avoid : No decomposition if used according to specifications.
Hazardous Decomposition : No dangerous decomposition products known.

Section 11: Toxicology Information

Acute Toxicity : This product has not acutely toxic.

Section 12: Ecological Information

Not applicable.

Section 13: Disposal Information

Waste disposal should be in accordance with state and local environmental regulations.

Section 14: Transportation Information

Transportation should be in accordance with state and local environmental regulations.

Section 15: Regulatory Information

Not applicable

Section 16: Other

NA

Part Number
MF25 10K

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