

Material Safety Data Sheet

HCPJ No. 037

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Product Name	Transistor Lead Frame	MLF-20F2					
Substance Specification	Distinction of a single product and mixture	Mixture					
	Method of substance	Material : MF202 Ag plating : 5 μ m (Spot plating)					
Physics / Chemical Characteristics	Physics / Chemical Characteristics	Substance	MF202				Plating
		Chemistry name	Cu	Sn	P	Ni	Ag
		Content (%)	99.7 Min	9.0~ 11.0	Less than 0.15	0.1~ 0.4	-
		CAS No.	7440- 50-8	7440- 31-5	7723- 14-0	7440- 02-0	7440- 22-4
		Boiling point(°C)	-				-
		Melting point(°C)	1065				960.5
		Flash point(°C)	-				-
		Specific gravity	8.88				10.50
		Steam density	-				-
		Steam pressure	-				-
		Environmental influence	-				-
Hazards and Toxicity Identification	<input type="checkbox"/> Hazards <input type="checkbox"/> Toxicity <input type="checkbox"/> Environmental influence <input checked="" type="checkbox"/> It does not correspond.						

Hazards Information	(stability · reactivity)	<input type="checkbox"/> Flash point <input type="checkbox"/> Ignition point <input type="checkbox"/> Explosion limit <input type="checkbox"/> Inflammability <input type="checkbox"/> Ignition <input type="checkbox"/> Oxidation <input type="checkbox"/> Coarse particulate Explosivity <input type="checkbox"/> Stability and reactivity <input type="checkbox"/> Stability and reactivity <input type="checkbox"/> Others ■It does not correspond.
Hazard information		<input type="checkbox"/> Skin corrosive <input type="checkbox"/> Irritant <input type="checkbox"/> Acute toxicity <input type="checkbox"/> Sub-acute toxicity <input type="checkbox"/> Chronic toxicity <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Reproduction toxicity <input type="checkbox"/> Others ■It does not correspond.
Environmental Information		<input type="checkbox"/> Decomposition <input type="checkbox"/> Accumulation <input type="checkbox"/> Fish toxicity <input type="checkbox"/> Others ■It does not correspond.
First-Aid Measures	1.Eye Contact	■It does not correspond.
	2.Skin Contact	■It does not correspond.
	3.Inhaled	■It does not correspond.
	4.Ingestion	■It does not correspond.
Measures in case of fire	1.Method of fire extinguishing	■ Although it is incombustibles, since the organic substance which has toxic with heating may be generated, a protection make is worm. Fire fighting work performs water-drainage Fire fighting like a general from the windward.
	2.Extinguishing agent	■ A lot of water etc.
Measures in case of leakage		■ Product solid, therefore inapplicable.
Precautions in handling and storekeeping	1Handling	■ The items are heavy and care should therefore be taken not to drop them. ■ The product may discolor is touched with bare, sweaty, or otherwise salty hands. Always wear protective gloves when handling the product.
	2.Safekeeping	■ Temperature · Humidity (20±5℃、Lass than 60RH%) ■ Avoid direct rays and heat and high humidity.
Precautions for disposal		■ Since the substance of which the product is composed is recyclable, it should be collected and recycled by a disposal contractor.
Precautions during transportation		■ Prevent getting wet under rain. ■ Products should also be prevented from falling, loosening or tumbling. <input type="checkbox"/> その他
Applicable laws		■ It does not correspond.

〈Others〉

The Material Safety Data Sheet (MSDS) is designed to provide forwarding and handling agents with reference information on the safe handling of dangerous and hazardous chemical materials.

In making use of this safety data sheet, forwarding and handling agents are requested to understand on their own responsibility the necessity of taking appropriate measures compatible with the individual forwarding and handling operations.

The safety data sheet should not therefore be regarded as a guarantee of safety.