

Resinates

MR 4911-L



Indium Resinate Solution / DPIS*

* Development Product Information Sheet

Description

MR 4911-L is a liquid precious metal solution. It contains indium in form of dissolved organometallic compound.

Key Benefits

- Suitable to use as additive for thick film and organo-metallic pastes
- Free of lead, cadmium and nickel
- Free of phthalate
- REACH ¹ and RoHS ² compliant

Processing

1. When stored in a refrigerator allow product to come to room temperature prior to opening, to avoid condensation.
2. The solution is miscible with aromatic hydrocarbons, essential oils, higher alcohols (e.g. Terpineol), esters and ketones (e.g. Cyclohexanone). Not miscible with aliphatic hydrocarbons, lower alcohols, esters and ketones.

Typical Properties (Solution)

Form:	Yellow-orange liquid
Viscosity:	Not determined (25 °C, 50 rpm)
Chem. Characterization:	Indium carboxylate in a mixture of organic solvents
Metal Content ³ :	3.3 ± 0.2 % In
Calcinated Residue:	4.0 ± 0.3 % In ₂ O ₃
Coverage:	Not applicable
Shelf Life:	6 months from date of shipment with correct storage (in a dry, cool (5 – 25 °C) and dark place with container tightly shut)

Thinner

HVS 100
Toluene
Cyclohexanone

Resinates

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- 1 REACH compliant according to the latest ** Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments: the material does not contain any substance listed in Annex XIV.
- 2 RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb)
- 3 Inductively coupled plasma optical emission spectrometry (ICP-OES), also referred to as Inductively coupled plasma atomic emission spectroscopy (ICP-AES), is an analytical technique used for the detection of trace metals.

** See the data sheet issue date (DD/MM/YY) as reference of validity of latest edition which is available on request.

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