Heraeus

Resinates

RL PT MR 7811-L H

Platinum Resinate Solution

Description

RL PT MR 7811-L H is a liquid precious metal solution. It contains platinum in form of dissolved organo-metallic 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 and chlorinated halogenated hydrocarbons, higher alcohols (e.g. Terpineol), esters and ketones (e.g. Cyclohexanone). Not miscible with aliphatic hydrocarbons, lower alcohols, esters and ketones.

Thinner	Toluene Cyclohexanone

Typical Properties (Solution)

Form:	Dark brown liquid
Viscosity:	Not determined
Chem. Characterization:	Platinum sulforesinate in a mixture of organic solvents
Metal Content [3]:	8.0 ± 0.3 % Pt
Calcinated Residue:	Corresponds to metal content
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)

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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 Ash content measurement method: A balance with five digits after point is used. Between 0.5 – 1.0 g of material are weighted in a porcelain crucible (three porcelain crucibles are used). Thereafter cover with a small piece of ash free filter paper and fire in an electric kiln. Heating profile as follows:
Heating up to 300 °C in 60 minutes, than heating up to 800 °C in 15 minutes and hold this temperature 15 minutes long. Subsequently cool down naturally. Weight the residues and calculate the percentages. Any change of the b. m. parameters will induce different results.

** 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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