

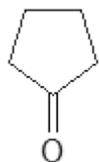


Product Data Sheet APF PDS CPT XP MB – February 2024

Rhodiasolv[®] CPT XP MB (Mass Balance) is an ultra pure solvent for electronics applications.

The product complies with the mass balance accounting requirements of the International Sustainability and Carbon Certification (ISCC) PLUS system which confirms the controlled use and traceability of renewable feedstocks in the product. Rhodiasolv[®] CPT XP MB (Mass Balance) assists consumers and brand owners in meeting demands for more sustainable and circular ingredients that offer reduced fossil based raw materials consumption and lower carbon footprint*.

Identification:



N° CAS: 120-92-3
 SYNONYM: Cyclopentanone
 EMPIRICAL FORMULA: C₅H₈O
 MOLECULAR WEIGHT: 84.12 g/mol

Specifications:

CHARACTERISTICS	LIMITS	METHODS
Appearance	Clear liquid	Visual
Assay	99.85 % min	GC
Water	0.05 % max	KF
Coloration	10 Hazen max	Colorimetry
Density 20/4	Between 0.948 - 0.952	Densimetry
Acidity	0.2 meq/100g max	Potentiometry
Al	4 ppb max	ICP-MS
Ca	4 ppb max	ICP-MS
Cr	2 ppb max	ICP-MS
Cu	2 ppb max	ICP-MS
Fe	3 ppb max	ICP-MS
K	4 ppb max	ICP-MS
Mg	2 ppb max	ICP-MS
Mn	3 ppb max	ICP-MS
Na	5 ppb max	ICP-MS
Ni	3 ppb max	ICP-MS
	4 ppb max	ICP-MS
	100 ppb max	Ionic chromat





Applications:

Microelectronics: solvent for wafers treatment (photoresist process)

Shelf Life:

The product is guaranteed **12 months** from its manufacturing date, when kept in its original container and under standard storage conditions. Product can be easily polymerised, especially in an acidic environment.

Transport:

Regulated. For more details please consult our Safety Data Sheet.

Packaging:

200 kg steel drum with internal varnish coating (4 drums on wooden pallet)
930 kg HDPE IBC

Physico Chemical Properties:

Density at 20°C	950 kg/m ³
Boiling point under 1013 hPa (760 mmHg)	130.5°C
Aqueous solution (1 ml + 10 ml H ₂ O).....	clear to very slightly cloudy
Cristallisation point	- 51.3 °C
Refractive index (n_d^{20})	1.4366

Solubility at 20°C:

Acetone, ethyl alcohol, ether	miscible
Water	301 g/l

Regulatory Status:

Cyclopentanone has been EU REACH registered. **The registration number is: 01-2119495595-21-0000.**

Cyclopentanone is registered in all presently available substance inventories: EINECS (Europe), TSCA (USA), INSQ (Mexico), AIIIC (Australia), CEPA DSL (Canada), IECSC (China), KECI (Korea), ENCS/ISHL (Japan), NZIoC (New Zealand) and PICCS (Philippine).

