

Product Safety Data Sheet (Generic: Frequency Control Products)

1. Product and Company identification

Product Identifier: FCP (Frequency Control Products)/Crystal Oscillator

Product Use: It is an electronic component using PCB and / or thick film technology hybrid micro circuits, which consists of passive and active components bare dies and crystal. This is used as a reference clock/timing source with very high frequency stability.

Manufacturer:

Centum Rakon India Pvt Ltd.
#44,KHB Industrial Area
Yelahanka New Town
Bangalore-106
India
Ph:+91-80- 4143-6000
Fax: +91-80- 4143-6005

2. Composition / Information on Ingredients

- PCB material : FR4/RT duroid (Where applicable)
- Ceramic substrate : 96% Alumina
- Quartz Materials : Swept Quartz /Synthetic Quartz (Crystalline form of SiO₂)
- Epoxies : Loctite 3609,
- Solder Lead Free : Sn 95.5 ,Ag 4, Cu 0.5/NC-SMQ230/89.3%n *
- Potting components : RTV 3145
- Adhesives : NA
- Components : Active and Passive

* **Note:** Solder lead Sn62, Pb36, Ag2 will be used only in products for space application based on the special request from space customer.

3. Hazardous Identification

- Potential health effects:

This product is non-hazardous since the products are supplied in sealed condition.

4. First Aid Measures

EYE CONTACT : NA
SKIN CONTACT: NA

5. Fire fighting measures

Method: Not established

Auto Ignition temperature: Not Established

Flammable Limits: Kovar is not flammable but conformal coating may be flammable

Extinguishing Media: Use fire extinguishers appropriate for surrounding fire conditions.

6. Handling And storage

Handling precautions: Don't drop the device or crystals.

Storage Precautions: Store the product in a cool dry area with ESD safety precautions.

7. Disposal consideration

Waste disposal Method: Dispose in accordance with all state and local environmental regulations.