



Electronic Parts and Components

EPCOS AG – Postfach 80 17 09 – D-81617 München

Name	Dr. Gerd Schulz
Abt.	EPCOS TQ (EH&S)
Telefon	+49 89 636 2 2274
Telefax	+49 89 636 2 8484
E-Mail	gerd.schulz@epcos.com
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Re : Environmental Letter, Hazardous Substances

We, EPCOS, are committed to conserving the environment and treating natural sources with care and respect. This applies as much to our production processes as to our products. The assessment of the environmental effects of our products begins as early as the development stage. It is our aim to go beyond legal requirements to prevent environmental pollution or to reduce it to an absolute minimum. Through continuous technological innovations, EPCOS, intends to contribute positively to the natural environment and to ensure that all products given to our partners will be in compliance with existing law.

As a company with global operations, EPCOS is confronted with a host of special requirements by customers or associations relating to "hazardous substances", "dangerous materials", "substances whose presence is subject to mandatory declaration" or generally to all substances contained in our products. As a manufacturer of over 50 000 types of components, we decided long ago to develop and manufacture our products in compliance with Siemens Standard SN 36350, VDA 232-101 and many other lists of banned substances*), and thus to ensure our products are free of all substances subject to statutory restrictions and to ensure that none ozone depleting substances are used.

Most of EPCOS components are ready for use with cars or devices affected by the stipulations for banned substances of ELV (2000/53/EC) or RoHS (2002/95/EC). As to our present state of knowledge these components do not contain:

1. Cadmium (Cd) and cadmium compounds
2. Chromium (VI) (Cr(VI))
3. Mercury (Hg) and mercury compounds
4. PBB (polybrominated biphenyl) category and PBDE (polybrominated diphenyl ether) category

and many of our components do not contain:

5. Lead (Pb) and lead compounds **)

As the European Council did not made any decision on a RoHS definition for minimum concentration values up to now, we follow the present state of discussion to define these values as 0.1 wt% for points 2., 3., 4. and 5. and 0.01 wt% for 1. (see COM (2004) 606).

According to 2003/11/EC amending 76/769/EEC EPCOS components do not contain Pentabromodiphenyl ether and Octabromodiphenyl ether

Best Regards

Dr. G. Schulz
EPCOS AG, München
Director ES&H

EPCOS AG
St.-Martin-Str. 53
81669 München
Briefadresse:
Postfach 80 17 09
81617 München

Sitz der Gesellschaft: München
Reg. Gericht:
München HRB 127250
Telefon: (089) 636-09
Telefax: (089) 636-23549

Vorsitzender des Aufsichtsrats:
Klaus Ziegler

Mitglieder des Vorstands:
Gerhard Pegam, Vorsitzender
Josef Unterlass
Dr. Wilfried Backes



*) Banned substances lists checked for compliance:

- Standard of German Association of Automotive Industry, VDA 232-101, July 2003
- DENSO DDS2004, Rev. 2, 12.01.2005
- Bel Fuse, 10/2003
- Bosch Standard 2580, October 2002
- BMW Group Standard GS 93008-3, July 2002
- BenQ, Checklist for Environment-related Substances to be Controlled, 2004
- C4E Bans and restrictions from legal provisions in electric and electronic products
- Dell, P/N 6T198, 01/2003
- Delta, 10000-0162, Feb 2004
- ILRS, IMDS, 2004
- Panasonic, Chemical Substances Management Rank Guidelines Ver. 3 (for Products), June 2004
- Siemens Standard SN 36350, February 2004
- Sony Standard SS-00259, 2004
- Samsung OQA-2049

*) <http://www.eicta.org/Content/Default.asp?PageID=211>

Bans and restrictions from legal provisions in electric and electronic products

****) Important Note:**

There are components containing lead as part of a ceramic lattice like thermistors, piezo electronic components etc. or containing lead with high melting solders for internal connections. Because a substitution of lead is not possible in these cases corresponding exemptions were added to ELV and RoHS by the Technical Adaptive Committee (TAC). For a timeline of the substitution of lead with external soldering connections see respective roadmap published at EPCOS homepage. EPCOS has issued material data sheets for all major product families, accessible via <http://www.epcos.com>.

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