

7.3 Hazardous Substance Management



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TSMC began to implement "Green Procurement" in 2002, using sources such as customers' lists of hazardous substances, the European Union's Restriction of Hazardous Substances (RoHS) directive, and the United Nations' list of banned ozone-depleting substances and carcinogens to draw up the list of banned substances attached below. TSMC requests that raw materials suppliers and packaging and testing services contractors ensure that products do not contain these banned substances to guarantee that TSMC meets the requirements of customers and international regulations

In 2006, TSMC began to implement the QC080000 hazardous substances process management system. TSMC's Fab8, bumping process, R&D, Procurement and RMESH (Risk Management & Corporate ESH) Divisions have earned certification in 2006 and the remainder of TSMC's fabs are expected to earn certification in 2007.

List of Substances Banned by TSMC

Asbestos and its compounds	Ozone Depleting Substances
Azo-Based Materials	Polybrominated Biphenyls (PBB's) and their Ethers/ Oxides (PBDE's)
Cadmium and its compounds	Polychlorinated Biphenyls (PCB's)
Certain Ethylene Glycol Ethers	Polychlorinated Naphthalenes (more than 3 chlorine atoms)
Chromium (VI) and its compounds	Radioactive Substances
Lead and its compounds	Shortchain Chlorinated Paraffins
Mercury and its compounds	Tributyl Tin, Triphenyl Tin and its oxides