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ARE you prepared to deal with the environmental issues? (Ink Series corresponding to RoHS Directive, WEEE Directive and ELV Directive)

1. Neglecting environmental issues may be problematic for a company.

Products sold in EU are subject to various regulations such as RoHS, WEEE, ELV, etc. Even if a company does not export its products directly to EU, if its products are incorporated into another company's products that will be exported to EU, the products will be regulated by these directives. Therefore any company who makes products for export must be very careful to abide by these regulations.

2. Teikoku Printing Inks offers environmentally friendly products.

We recognize that the environmental issue is our most important issue and are making our best effort to supply "environmentally friendly products" to our customers. We were one of the first companies to address the environmental issues and have developed environmentally friendly inks, which are free of hazardous solvents and which conform to RoHS, WEEE and ELV regulations as well as regulations expected in the future.

New Functionality	Products Name	Special Features
Solvent-type inks that meet "screen printing Green standard level 1, that means free of benzene, toluene, xylene, and isophoron."	IPX	2-pack ink for film insert molding
	INQ	2-pack ink for film insert molding ink
	FMX	1-pack ink for molding
	MRX	2-pack ink for hard coated substrates
	ERX	PVC free ink for nameplates

- * For details of each ink, please refer to our "Ink Selector" and Catalogs.
- * When buying our ink, please ask for a copy of MSDS, read it carefully and follow the instructions.

3. We provide environmental information to customers.

We provide timely essential information to our customers--information is based on our extensive experience with screen inks.

We provide information about overseas regulations regarding our products that are to be used in finished goods that will be exported.

We respond to our customers' requests regarding investigation of hazardous substances and chemical content.

Please do not hesitate to contact us if you may have any question regarding our products.

4. What are WEEE directive, RoHS directive, and ELV directive?

Their formal names are as follows:

WEEE: "Waste Electrical and Electronic Equipment Directive."

RoHS: "Restriction of the use of certain Hazardous Substances in electrical and electronic equipment directive".

E L V : "End of Life Vehicles" Prohibits the use of these hazardous substances in vehicles sold after July 2003.

Summary of these regulations are:

WEEE is a directive regarding waste disposal of electric and electronic equipment, which contains six substances that are recognized to be hazardous to the environment and the human body.

RoHS is a directive not to use these hazardous substances in future production of these products.

Prohibited substances are lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs). The first 4 substances are also mentioned in the ELV directive, which is focused on the automotive industry.

5. Other activities to meet environmental requirements.

- ① Negative List Regulations by Printing Inks Manufacturing Association of Japan.
 - * We do not use any questionable substances including heavy metals and carcinogenic substances as raw materials in our inks.
- ② PRTR Law (Pollutant Release and Transfer Register Law).
 - * We are trying to reduce or to stop using the substances regulated by the Law.
 - * We are conducting management and reporting as designated in the Law.
- ③ Air Pollution Control Law.
 - * We are endeavoring to reduce VOCs (Volatile Organic Compounds).
 - * We are endeavoring to develop and popularize UV curable inks and Water-based inks.
 - * We are trying to reduce lower boiling point organic solvents, which tend to be released into air.
- ④ MSDS (Material Safety Data Sheet) obligation.
 - * We are providing MSDS whenever requested.
 - * We are providing information about the hazardous nature of our products and how to safely handle our products through the MSDS.
- ⑤ Conformity to Green Procurement Standard by Japan Printing Industry Association.
 - * We are now conforming to Level 2 of the Standard, which requires conformity to NL Regulations, preparing MSDS of PRTR substrates, and having UV curable inks and water-based Inks.
 - * We are now aiming to conform to Level 1, which further requires not using PRTR substances.

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