

## Incorporating Environmental Preservation in Business Activities

### Management of Chemical Substances

#### Introduction of an inspection and registration system for chemical substances

In 1998, Murata established a chemical substance inspection and registration system. Since 2000, we have been using this system to enforce self-management of chemical substances throughout the entire domestic group.

This system requires that we obtain an MSDS (Material Safety Data Sheet\*) for each chemical substance that we use in the mass-production of our products. Before using a substance, Murata Manufacturing's Personnel and Environmental Staff Departments subject it to the required staff inspection and plant inspection. This step allows us to establish compliance with chemical laws in force in Japan and other countries, environmental laws, worker health and safety laws, and Murata's own voluntary regulations. We also verify compliance with local regulations.

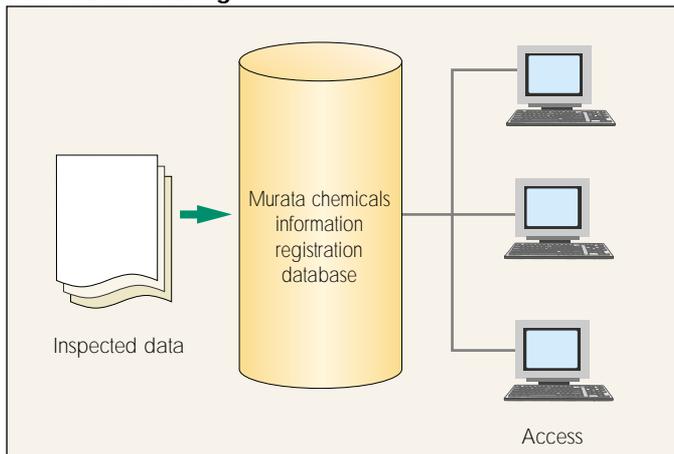
Only those chemical substances that pass such an inspection are issued a unique number. The handling (purchase, application, manufacturing, storage and sale) of a substance is possible only after the substance has been registered in Murata's database. In this way, we ensure the proper use of chemical substances and support the manufacture of products with a low environmental impact.

\* To help ensure the safe handling of chemical substances, this document provides indispensable information such as the name of the substance, its supplier, its hazard and toxicity, the safety measures required in its handling; and proper emergency measures in the event of an accident.

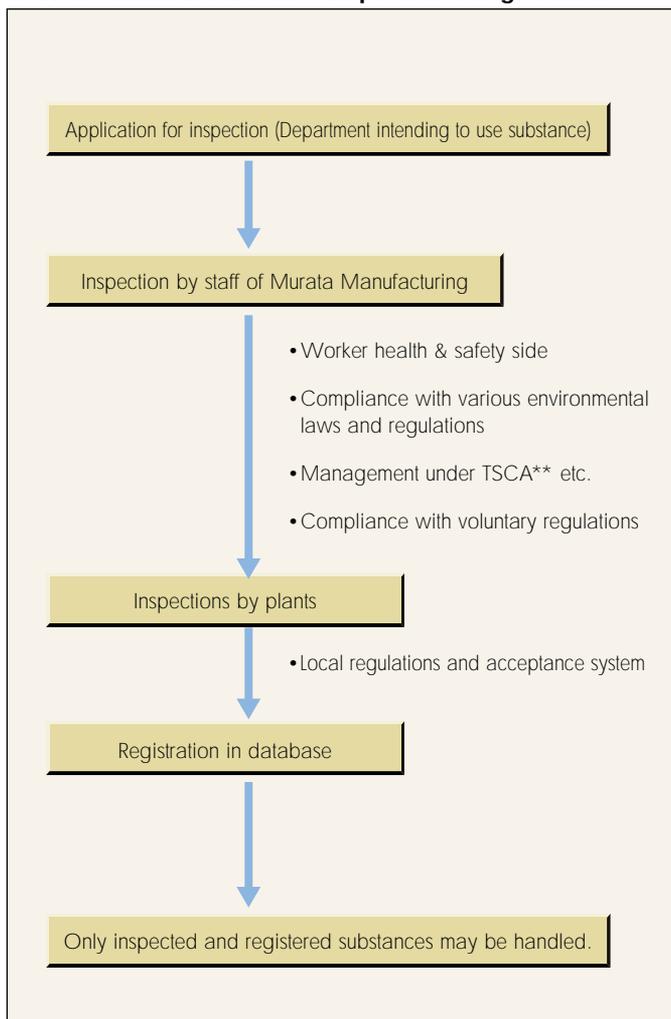
#### Features of Murata's Chemical Inspection & Registration System

- Observance of laws and regulations ⇒ Inspection prior to handling
- Avoidance of hazardous substances ⇒ Only registered substances shall be handled (purchased, manufactured, stored and sold).
- Information sharing ⇒ Registration in database

#### Information sharing



#### Flow of Chemical Substance Inspection & Registration



\*\* The Toxic Substances Control Act is a U.S. law regulating the manufacture, handling and application of chemical substances. It is intended to protect human health and the environment from toxic substances. When producing a new chemical or exporting a chemical to the U.S.A., we must first submit safety data and other necessary information and inspection reports to the EPA (U.S. Environmental Protection Agency).

Murata established a system that ensures that no chemical can be shipped to the U.S.A. other than those that have been rated as suitable for export. Since 2003, we have been using this system.