

## Q & A About Green Procurement Investigation Reports

[ About Form-1, 2, 3 ]

**Q1 Who is the person in charge of Forms 1 -3?**

**A:** These forms should be signed by a manager or director of environmental or quality control divisions.

**Q2 What are Environmental Impact Substances ?**

**A:** We define both Prohibited Substances (level 1) and Limited Use Substances (level 2) as Environmental Impact Substances listed in our Chemical Substances Management Standard.

**Q3 Specific heavy metals are not measured. What should I do?**

**A:** In Form-2, report the analysis value or content possibility of each heavy metal. We hope to attain the precise analytical value by ICP or AA, but it is not essential. Estimated value or calculated value derived from raw materials is also available. If no data is available, never fail to report the content possibility, such as *considered not to contain specific heavy metals because there is no intentional use and contamination in production processes and raw materials.*

**Q4 Is it necessary for Form-3 in each factory ?**

**A:** Yes.

It is necessary to report at each factory because the third question is about use history of regulated substances of RoHS Directive in factories where procurement materials are produced.

**Q5 It is difficult to guarantee Non-content of RoHS substances because I have no measurement data. What should I do?**

**A:** We consider that it is possible for many suppliers to guarantee without measurement data because of the following reasons .

- i) PBB and PBDE are generally flame retardants for plastics. Therefore, it is considered that these are not detected unless intentionally used and cannot be detected as contaminants unless used in factories.
- ii) Concerning cadmium, lead, mercury and hexavalent chromium, it is difficult to deny unintentional small contamination from inorganic raw materials. However, you can estimate the concentration because a lot of inorganic material manufacturers have concentration data of these heavy metals. In general, these heavy metals are not detected in most organic-materials unless intentionally used. If detected, it is in extremely small quantity, such as ppm or ppb level. This value is much smaller than the RoHS threshold.

Therefore it is possible to guarantee Non-content of RoHS substances without measurement data.

Furthermore, in principle, Sanyo Chemical does not use non-guaranteed materials for our product supply to electric, electronics, and automobile customers. If you cannot guarantee, your materials will be prohibited to these customers and will be limited occasionally to other customers.