1. Objectives

This production information sheet is provided to identify locations of parts, materials, hazardous substances and compound substances in the product that is going to be disposed based on WEEE Directive (2012/19/EU), and to allow waste disposal facilities to dispose the product and to recycle the product in proper manner.

| Product: Differential Refractive Index Detector Shodex RI-100 series | | | | | | | |
|---|--|--|--|--|--|--|--|
| Product code: F4010101, F4010104, and F4010102 | | | | | | | |
| Point of Contact: SHOWA DENKO EUROPE GmbH Phone:+49(0)89/93 99 62-37 Fax:+49(0)89/93 99 62-50 | | | | | | | |
| E-MAIL:schultz@ sde.de http://www.shodex.de/ | | | | | | | |

2. Disposal

Information of such product as components, major materials, hazardous substances, etc is listed in the next table.

- ★ In order to promote recycling and other ecological activities, components that can be separated and/or disassembled from the product should be listed in this table. Note that the entry of component weight in the table is not essential. ★
- ★ Fill in the column, Remark with such statements as "Remove ○○ sheet before disassembly" and "Perform ○○ processing before disassembly". ★

| Component | | Major material | Separation | Location where | How to dispose | Weight of | Remark |
|-----------------|--------------|----------------|-------------|-------------------|--------------------|------------------|--------------|
| Category | Sub-category | | process is | the material is | | component | |
| | | | required or | used | | (Reference only) | |
| | | | not. | | | | |
| Switching power | | Electrolytic | 0 | Refer to Attached | Shall be disposed | | 25mm or more |
| supply unit | | capacitor | | drawing ①. | in compliance with | | |
| | | | | | Directive | | |
| | | | | | 2008/98/EC | | |

| Component | | Major material | Separation | Location where | How to dispose | Weight of | Remark |
|-----------|------------------|--------------------|-------------|-------------------|-----------------------|------------------|-------------------------|
| Category | Sub-category | | process is | the material is | | component | |
| | | | required or | used | | (Reference only) | |
| | | | not. | | | | |
| | | Epoxy glass, and | 0 | Refer to Attached | ditto | | The printed circuit |
| | | Other electronic | | drawing ①. | | | board is greater |
| | | component | | | | | than 10 cm ² |
| | | Aluminum, Ferrite, | × | | Shall be disposed | | |
| | | Composite, and | | | in landfill after the | | |
| | | Other electronic | | | removal from the | | |
| | | component | | | body | | |
| | | | | | | | |
| LCD unit | LCD unit | Liquid crystal | 0 | Refer to Attached | Shall be disposed | | LCD whose surface |
| | | material | | drawing ②. | in compliance with | | area is larger than |
| | | | | | Directive | | 100cm ² |
| | | | | | 2008/98/EC | | |
| | | | | | | | |
| | Fluorescent lamp | | 0 | Refer to Attached | ditto | | Parts such as |
| | (Backlight) | | | drawing ③. | | | backlight lamp that |
| | | | | | | | includes mercury |
| | Circuit board | Epoxy glass, and | 0 | Refer to Attached | ditto | | The printed circuit |
| | | Other electronic | | drawing ④. | | | board is greater |
| | | component | | | | | than 10 cm ² |
| | | | | | | | |

| Component | | Separation | Location where | How to dispose | Weight of | Remark |
|--------------------|-------------------|--|---|--|---|---|
| Sub-category | | process is required or | the material is used | | component (Reference only) | |
| | | not. | | | | |
| | Epoxy glass | 0 | Refer to Attached | ditto | | The printed circuit |
| | Other electronic | | drawing 6. | | | board is greater |
| | component | | | | | than 10 cm ² |
| | Iron | × | | Material recycle | | Shall be separated |
| | | | | | | from other parts |
| | - | | | | | |
| | | | | | | |
| | PBT (Polybutylene | O× | Refer to Attached | Shall be disposed | | Plastic containing |
| | Terephthalate) | | drawings ⑤. | in compliance with | | brominated flame |
| | | | | Directive | | retardants. |
| | | | | 2008/98/EC | | |
| Optical block | Aluminum | × | Refer to Attached | Material recycle | | Shall remove all of |
| | | | drawing ⑦. | | | the mounted |
| | | | | | | components |
| | | | | | | |
| Optical unit cover | Stainless | X | | ditto | | ditto |
| | | | | | | |
| | | | | | | |
| Plastic foam | | × | | Thermal recycle | | |
| | | | | | | |
| | Optical block | Epoxy glass Other electronic componentIronIronPBT (Polybutylene Terephthalate)Optical blockAluminumOptical unit coverStainlessPlastic foamI | required or not.Epoxy glass Other electronic componentOIron×Iron×PBT (Polybutylene Terephthalate)O×Optical blockAluminum×Optical unit coverStainless×Plastic foam×× | required or not.usedEpoxy glass Other electronic componentORefer to Attached drawing ©.Iron×-Iron×-PBT (Polybutylene Terephthalate)O×Refer to Attached drawings ⑤.Optical blockAluminum×Refer to Attached drawings ⑥.Optical unit coverStainless×Plastic foamI× | Image: series of the series | Image: Problem seriesrequired or not.used(Reference only)Epoxy glass Other electronic componentOmegass Other electronic componentRefer to Attached drawing (b).dittoImage: Problem series Problem seriesImage: Problem seriesImage: Problem series Problem seriesNaterial recycle problem seriesImage: Problem series Problem seriesMaterial recycle problem seriesImage: Problem series problem seriesPBT (Polybutylene Terephthalate)Omega: Problem series Problem seriesRefer to Attached drawings (b).Shall be disposed in compliance with Directive 2008/98/ECImage: Problem series problem seriesOptical blockAluminumXRefer to Attached drawing (b).Material recycle graving (b).Optical unit coverStainlessXImage: Problem series problem seriesImage: Problem series problem seriesPlastic foamImage: Problem seriesXThermal recycleImage: Problem series |

| Component | | Major material | Separation | Location where | How to dispose | Weight of | Remark |
|--------------------|------------------|------------------|-------------|--|--------------------|------------------|-------------------------|
| Category | Sub-category | | process is | the material is | | component | |
| | | | required or | used | | (Reference only) | |
| | | | not. | | | | |
| Main Board unit | | Epoxy glass | 0 | Refer to Attached | Shall be disposed | | The printed circuit |
| | | Other electronic | | drawing ⑧. | in compliance with | | board is greater |
| A/D-D/A Board unit | | component | | Refer to Attached | Directive | | than 10 cm ² |
| | | | | drawing ⑨. | 2008/98/EC | | |
| Output board | | | | Refer to Attached | | | |
| | | | | drawing 🔟. | | | |
| Pre Amplifier | | | | Refer to Attached | | | |
| Board | | | | drawing ⑦. | | | |
| Heater Assembly | Circuit board | Epoxy glass, and | 0 | Refer to Attached | ditto | | ditto |
| | | Other electronic | | drawing ⑦. | | | |
| | | component | | | | | |
| | stationary plate | Aluminum | × | Refer to Attached | Material recycle | | Shall remove all of |
| | | | | drawing ⑦. | | | the mounted |
| | | | | | | | components |
| Power cable | | Copper | 0 | Refer to Attached | Shall be disposed | | External electric |
| <u> </u> | | - PVC | | drawings ${\scriptstyle (\hspace{15cm}]\hspace{15cm}}$ and | in compliance with | | cables. |
| Signal cable | | | | 12. | Directive | | |
| | | | | | 2008/98/EC | | |

| Component | | Major material | Separation | Location where | How to dispose | Weight of | Remark |
|-----------------|--------------|--------------------|-------------|-----------------|-----------------------|------------------|--------|
| Category | Sub-category | | process is | the material is | | component | |
| | | | required or | used | | (Reference only) | |
| | | | not. | | | | |
| Other removable | | Stainless, Optical | × | | Shall be disposed | | |
| parts | | glass, Epoxy | | | in landfill after the | | |
| | | glass, and | | | removal from the | | |
| | | Electronic | | | body | | |
| | | component | | | | | |

- 1) The symbol, "O" used in the column "Separation process is required or not" indicates that the part shall be subjected to the process stipulated in WEEE Directive (2012/19/EU) Annex VII. The symbol, "×" is to show that the part shall be subjected to the separation process.
- 2) Location of each component is indicated in Attached drawing-1.
- 3) Remark
 - Part to be processed in accordance with WEEE Annex VII Article 8 (2) is indicated in this Remark column.
- 3. Record and Report

The followings shall be recorded after receiving and disposing our waste product. In addition, contents of the record shall be reported once a year.

- · Number of received waste product and of disposed product
- · Client of disposal (Who asked to dispose the product)
- Type/Kind of waste product

★ Attach drawing and/or photo showing locations where component and/or hazardous substances are used. ★

