## Overview

Catalytic and Thermal Conductivity sensors are generally safe when handled and used according to the guidelines included in this data sheet, and require no special handling or processing for safe disposal or environmental protection.

### Inherent Hazards

When fitting the VQ series (not VQ500/600) component sensors into PCBs and soldering into position, care must be taken in cropping the leads, which have sharp ends and can fly up into your eyes.

Follow all normal procedures for the cropping of sharp objects, including use of tools and/or personal protective equipment.

The VQ600 series heads each weigh approximately 450 g and represent a drop hazard. Follow all normal procedures for the handling of heavy objects, including use of tools and/or personal protective equipment.

### Transportation Hazards

Hazard that affect transportation as defined by the IATA Dangerous Goods Regulations

### Operational hazards

Hazards that are only present when the product is in operation

### Decommissioning

Particular hazards that may be present during decommissioning of the product

### Disposal

Guidance for the safe disposal of product at end of life including environmental considerations

### Material data

A breakdown of the material content of all product types covered by this Product Safety Data Sheet
Transportation Hazards

None

Operational Hazards

There are no additional hazards that occur during operation of this device.

Decommissioning

There are no additional hazards associated with the decommissioning of this device.

Disposal

There are no hazardous materials in sufficient quantities to require special treatment from an environmental protection point of view.

Material Data

The following table of material data provides information to enable disposal in accordance with environmental regulations.

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Mass (g)</th>
<th>Stainless Steel</th>
<th>Mild steel</th>
<th>Platinum</th>
<th>Glass filled Nylon</th>
<th>Glass</th>
<th>Glass Fibre PCB</th>
<th>PVC</th>
<th>Polypropylene</th>
<th>Tungsten</th>
<th>Thorium Nitrate</th>
<th>Solder</th>
<th>Viton Rubber</th>
<th>Copper</th>
<th>Epoxy</th>
<th>Brass</th>
<th>Total Other Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>All VQ Devices*, except VQ101, VQ101HT, VQ500 &amp; VQ600</td>
<td>2.7</td>
<td>0</td>
<td>60</td>
<td>0.1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.1</td>
<td>0</td>
<td>17</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>VQ101, VQ101HT</td>
<td>2.7</td>
<td>0</td>
<td>60</td>
<td>0.1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.1</td>
<td>0</td>
<td>17</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>VQ500 series</td>
<td>20</td>
<td>90</td>
<td>0.1</td>
<td>1</td>
<td>0.1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>VQ600 series</td>
<td>460</td>
<td>85</td>
<td>0.1</td>
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<td>0.1</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>0</td>
<td>0.1</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

* VQ1 series, VQ2 series, VQ3 series, VQ4, VQ5 series, VQ6 series, VQ8, VQ9, VQ10 series, VQ11, VQ21 series, VQ22 series, VQ23 series, VQ24 series, VQ25, VQ27 series, VQ28, VQ29, VQ31 series, VQ32 series, VQ42 series, VQ44RB, VQ48Z, VQ48ZW, VQ49Z, VQ49ZW, VQ61, VQ62

In the event of encountering difficulties in disposing of these products, contact SGX Sensortech (IS) Ltd for advice.