Composition
The formula for one litre of Celsior is the following:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutathione</td>
<td>3 mmol</td>
</tr>
<tr>
<td>Mannitol</td>
<td>60 mmol</td>
</tr>
<tr>
<td>Lactobionic acid</td>
<td>80 mmol</td>
</tr>
<tr>
<td>Glutamic acid</td>
<td>20 mmol</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>100 mmol</td>
</tr>
<tr>
<td>Calcium chloride, 2 H₂O</td>
<td>0.25 mmol</td>
</tr>
<tr>
<td>Potassium chloride</td>
<td>15 mmol</td>
</tr>
<tr>
<td>Magnesium chloride, 6 H₂O</td>
<td>13 mmol</td>
</tr>
<tr>
<td>Histidine</td>
<td>30 mmol</td>
</tr>
<tr>
<td>Water for injections</td>
<td>up to 1 litre</td>
</tr>
</tbody>
</table>

Indications
Celsior is intended for flushing and cold storage of organs: at the time of their removal from the donor, during storage, transportation and transplantation into the recipient.
Celsior enhances preservation of organs for transplantation by providing a better preservation result and prolonging the safe preservation time.
It prevents and/or reduces ischaemic-reperfusion injuries.

Posology and method of administration
Flushing:
The exact method of flushing depends on the organ, the centre, and whether or not multiple organs are harvested at the same time. Flushing is often carried out in two stages, the first when the organ is in situ, the second after the organ has been harvested. Flushing is usually carried out via the major artery supplying the organ, but sometimes via veins, or the portal system as well. Flushing is carried out until the organ is uniformly pale and the effluent runs clear.

Cold storage:
The organ is stored in a container of an appropriate size for the organ. Additional cold Celsior solution should be dispensed into the container holding the organ. The organ storage container should be kept inside a well-insulated transport container. The organ must be completely covered by the solution. The container used must be sealed aseptically.
Care should be taken to transport the stored organ within its containers aseptically; i.e., the inside of the organ storage container and its contents should remain sterile. Ice should be used to surround the organ storage container but should not be used within the container, where the ice could come into direct contact with the organ.

Warnings and special precautions for use
Not for direct injection or intravenous use into the recipient.
Usage exclusively reserved for solid organs flushing and cold storage.
Ready-to-use solution. No need for filtration before use.
The sachet included in the aluminium-protected bag contains an oxygen absorber.
This sachet must not be mixed with the solution.
Use only clear solutions.
Use only intact containers (bag and aluminium over-wrap).
Do not use after expiry date indicated on the containers.
Single use only. Do not re-use.

Contra-indications
There are no known contra-indications when used as directed.

Interactions with other products
There are no known interactions when used as indicated.

Undesirable effects
Since Celsior is not administered systematically to the recipient, the solution should not cause specific adverse reactions due to systemic administration.
In the current human experience, no specific adverse reactions attributed to Celsior have been reported.
Celsior is only available in boxes of 4 x 1 litre bag.