SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier
Opti-Mole™ Osmolality Standard

Further trade names
Sodium Chloride Solution, Saline
Wescor OA-100, 1000 mmol/kg
Wescor OA-029, 290 mmol/kg
Wescor OA-010, 100 mmol/kg

Chemical characterization (Mixture)

SECTION 2: Hazards identification

Route(s) of Entry

Signs and Symptoms of Exposure
Carcinogenicity (NTP): Dangerous ingredients: none/none
Carcinogenicity (IARC): Dangerous ingredients: none/none
Carcinogenicity (OSHA): Dangerous ingredients: none/none

SECTION 3: Composition/information on ingredients

Mixtures
Further Information
Note: This hazard characteristics refer to the properties of pure ingredients, for the identification of the preparation (product), see Section 2 and 15.

SECTION 4: First aid measures

Description of first aid measures

General information
In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

After inhalation
No special measures are necessary.

After contact with skin
After contact with skin, wash immediately with: Water and soap. If symptoms persist, seek medical advice.
After contact with eyes
If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion
Rinse mouth thoroughly with water.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
The product itself is not combustible.

Special hazards arising from the substance or mixture
Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Chlorine (Cl2).

Advice for firefighters
Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information
Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment. (Refer to chapter 8.)

Methods and material for containment and cleaning up
Suitable absorbing material: Cleaning wipes. Subsequently wash again with: Water and soap.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling
Wear personal protection equipment. (Refer to chapter 8.)

Advice on protection against fire and explosion
No special fire protection measures are necessary.

Further information on handling
Avoid contact with skin, eye and clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.

Advice on storage compatibility
Do not store together with: Oxidizing solids. Oxidizing liquids. Explosives. Food and fodder

Further information on storage conditions
storage temperature: of °C: 18 up to °C: 35
Maximum period of storage (time): 3a

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Protective and hygiene measures
Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.
Respiratory protection
No special measures are necessary.

Hand protection
No special measures are necessary.

Eye protection
No special measures are necessary.

Skin protection
No special measures are necessary.

Environmental exposure controls
No special measures are necessary.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>colourless</td>
</tr>
<tr>
<td>Odor</td>
<td>odourless</td>
</tr>
</tbody>
</table>

Changes in the physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>0 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100 °C</td>
</tr>
<tr>
<td>Water solubility</td>
<td>complete miscible</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

Stability: Stable
Possibility of Hazardous Reactions: Will not occur

Conditions to avoid
Do not freeze. Keep away from heat.

Incompatible materials
none/none

Hazardous decomposition products
Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Chlorine (Cl2).

SECTION 11: Toxicological information

Information on toxicological effects

Toxicokinetics, metabolism and distribution
No data available

Acute toxicity
Toxicological data are not available.

Specific effects in experiment on an animal
No data available

Irritation and corrosivity
Irritant effect on the eye: Not an irritant.
Irritant effect on the skin: Not an irritant.

Sensitizing effects
No evidence for: Sensitization

Carcinogenic/mutagenic/toxic effects for reproduction
The statement is derived from the properties of the components.
No indications of human germ cell mutagenicity exist.
No evidence for: Carcinogenicity
No evidence for: Developmental toxicity/teratogenicity

SECTION 12: Ecological information

Toxicity
No information available.

Persistence and degradability
Product is biodegradable.

Bioaccumulative potential
No indication of bio-accumulation potential.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal
Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal. Moreover, national legislation has to be observed!

Contaminated packaging
Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information
Not restricted

SECTION 15: Regulatory information

U.S. Regulations

SECTION 16: Other information

NFPA Hazard Ratings

Health: 0
Flammability: 0
Reactivity: 0
Unique Hazard:

Changes
02.07.2011 Rev. 1.00 Initial release

Other data
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.)