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

Identification of the substance or mixture

Product code 14175095
Product name Hank’s Balanced Salt Solution (HBSS) (1X), liquid

Company/undertaking identification

Life Technologies Corporation
5781 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

Life Technologies
5250 Mainway Drive
Burlington, ONT
CANADA L7L 6A4
800/263-6236

24 hour Emergency Response: 866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

Country specific Emergency Number (if available):
CHEMTREC Brazil (Rio De Janeiro) +(55)-2139581449 (português)

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SECTION 2: Hazards identification

GHS - Classification

Signal Word
None

Health hazards
Not classified

Physical hazards
Not classified

Hazard Statements
Not Applicable

Precautionary Statements

Prevention
Not Applicable

Response
Not Applicable
Storage
Not Applicable

Disposal
Not Applicable

Precautionary Statements
Not Applicable

Principle Routes of Exposure

Potential Health Effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>eyes</td>
<td>May cause eye irritation with susceptible persons.</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause skin irritation in susceptible persons.</td>
</tr>
<tr>
<td>inhalation</td>
<td>May be harmful by inhalation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</td>
</tr>
</tbody>
</table>

Specific effects

<table>
<thead>
<tr>
<th>Effect Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenic effects</td>
<td>None.</td>
</tr>
<tr>
<td>Mutagenic effects</td>
<td>None.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>None.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>None.</td>
</tr>
</tbody>
</table>

Target Organ Effects
No known effects under normal use conditions.

HMIS

<table>
<thead>
<tr>
<th>Section</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

SECTION 3: Composition/information on ingredients
The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First aid measures

Skin contact
Rinse cautiously with water for several minutes. Immediate medical attention is not required.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Ingestion
Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

inhalation
Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed
Not Applicable

Notes to Physician
Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media

Special protective equipment for firefighters
Standard procedure for chemical fires.
Specific hazards arising from the chemical Not known

SECTION 6: Accidental release measures

Personal precautions Always wear recommended Personal Protective Equipment. Use personal protection equipment.
Methods for cleaning up Soak up with inert absorbent material.
Environmental precautions
No special environmental precautions required.
See Section 12 for more information.

SECTION 7: Handling and storage

Handling Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
Storage Keep in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Exposure Limits We are not aware of any national exposure limit.
Engineering measures Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment Personal Protective Equipment requirements are dependent on the user institution’s risk assessment and are specific to the risk assessment for each laboratory where this material may be used.
Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection Impervious gloves.
Eye protection Wear safety glasses with side shields (or goggles).
Skin and Body Protection Lightweight protective clothing.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls No special environmental precautions required.

SECTION 9: Physical and chemical properties

General information

Form Liquid
Appearance No data available
Odor No data available
Odor Threshold No data available
Boiling point / boiling range °C No data available °F No data available
Melting point / melting range °C No data available °F No data available
flash point °C No data available °F No data available
Autoignition Temperature °C No data available °F No data available

Revision date 13-May-2016
Product code 14175095
Product name Hank’s Balanced Salt Solution (HBSS) (1X), liquid
www.thermofisher.com
Evaporation rate: No data available
Flammability (solid, gas): No data available
Oxidizing properties: No data available
Water solubility: No data available
Upper explosion limit: No data available
Lower explosion limit: No data available
Partition coefficient: No data available
n-octanol/water: No data available
Vapor Pressure: No data available
vapor density: No data available
Viscosity: No data available
pH value: 6-8

SECTION 10: Stability and reactivity

Stability
Stable under normal conditions.

Materials to avoid
No dangerous reaction known under conditions of normal use.

Possibility of hazardous reactions
Hazardous reaction has not been reported

Hazardous decomposition products
None under normal use conditions.

polymerization
Hazardous polymerization does not occur.

Conditions to avoid
None under normal processing.

SECTION 11: Toxicological information

Acute Toxicity
No toxicology information is available.

Principle Routes of Exposure

Potential Health Effects

eyes
May cause eye irritation with susceptible persons.

Skin
May cause skin irritation in susceptible persons.

inhalation
May be harmful by inhalation.

Ingestion
May be harmful if swallowed.

Carcinogenic effects
None.

Mutagenic effects
None.

Reproductive toxicity
None.

Sensitization
None.

SECTION 12: Ecological information

Ecotoxicity
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Mobility
No information available.

Revision date: 13-May-2016
Product code: 14175095
Product name: Hank’s Balanced Salt Solution (HBSS) (1X), liquid

www.thermofisher.com
Biodegradation: No information available.
Bioaccumulation: No information available.

**SECTION 13: Disposal considerations**

Dispose of contents/containers in accordance with local regulations.

**SECTION 14: Transport information**

IATA
- Proper Shipping Name: No dangerous good in sense of these transport regulations
- Hazard Class: None
- Subsidiary class: None
- Packing group: None
- UN-No: None
- Environmental hazards: None

**SECTION 15: Regulatory information**

**US Federal Regulations**

SARA 313
This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain HAPs.

**US State Regulations**

California Proposition 65
This product does not contain any Proposition 65 chemicals.

**WHMIS Hazard Class**
Non-controlled
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**SECTION 16: Other information**

Reason for revision: SDS sections updated.

For in vitro diagnostic use.

“The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.