**Section 1: Identification**

**Product identifier**
- **Product name:** SalmoFresh™
- **Catalog #:** 02SP

**Recommended use of the chemical and restrictions on use**
Phage preparation effective against *Salmonella*

**Supplier’s details**
Intralytix, Inc.
8681 Robert Fulton Dr.
Columbia, MD 21046

**Emergency phone number**
1-877-ITX-PHAGE
Monday–Friday 9:00 AM – 5:00 PM

**Section 2: Hazard identification**

**Classification of substance or mixture**
Not a hazardous substance or mixture

**GHS label elements, including precautionary statements**
Not a hazardous substance or mixture

**Other hazards which do not result in classification**
None

**Section 3: Composition/information on ingredients**

**Mixture**
Bacteriophages in aqueous 0.1M sodium chloride solution

**Component list**

<table>
<thead>
<tr>
<th>Component</th>
<th>% composition</th>
<th>CAS #</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>&gt; 99.4</td>
<td>7732-18-5</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>0.58</td>
<td>7647-14-5</td>
<td>Not applicable</td>
</tr>
<tr>
<td><em>Salmonella</em> – specific phages</td>
<td>&lt; 0.01</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Section 4: First-aid measures

Description of first-aid measures

If inhaled:
If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact:
Wash off with soap and water.

In case of eye contact:
Flush eyes with water as a precaution.

If swallowed:
Never give anything by mouth to an unconscious person. If swallowed in excess, rinse mouth with water as a precaution.

Most important symptoms and effects, both acute and delayed:
The most important known symptoms and effects are described in the labelling (see Section 2) and/or in Section 11.

Indication of any immediate medical attention and special treatment needed:
No data available

Section 5: Fire-fighting measures

Suitable extinguishing media
No restrictions

Specific hazards arising from the chemical
None

Special protective actions for fire-fighters
None

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
For personal protection, see Section 8.

Environmental precautions
No special environmental precautions required

Method and materials for containment and cleaning up
Keep in suitable closed containers. Mop up or absorb with an inert dry material and place in an appropriate waste disposal container. No specific spill kit is required for this product
Section 7: Handling and storage

Precautions for safe handling
For precautions, see Section 2

Conditions for safe storage, including any incompatibilities
Keep container closed, refrigerated at 2-8°C, and protected from light.

Section 8: Exposure controls / personal protection

Control parameters
Contains no substances with occupational exposure limit values.

Appropriate engineering controls
General industrial hygiene practice

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
When using as an aerosol, wear eye protection and provide access to eye/face flushing equipment.

Skin protection
A lab coat and/or gloves may be worn when handling this solution.

Respiratory protection
When airborne exposure limits are exceeded or ventilation is inadequate, use appropriate NIOSH approved respiratory protection equipment. Respiratory protection programs are subject to 29 CFR § 1910.134.

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>Appearance</td>
<td>Clear/opalescent liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 – 7.5</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>May start to solidify at –0.1°C (31.8°F) (WATER)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>The lowest known value is 99.9°C (211.8°F) (WATER).</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Relative density 1.01 g/cm³
Solubility Soluble in water
Partition coefficient: n-octanol/water No data available
Auto-ignition temperature No data available
Decomposition temperature No data available
Viscosity No data available

Section 10: Stability and reactivity

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions

Possibility of hazardous reactions
No data available

Conditions to avoid
No data available

Incompatible materials
No data available

Hazardous decomposition products
No data available

Section 11: Toxicological information

Acute toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/irritation
No data available

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available
Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible, or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

STOT-single exposure
No data available

STOT-repeated exposure
No data available

Aspiration hazard
No data available

Section 12: Ecological information
Toxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

Section 13: Disposal considerations
Disposal methods
Product
Material does not have an EPA Waste Number and is not a listed waste, however, always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.
Packaging
Package may be recycled, if such disposal options exist.

Section 14: Transport information

UN Number
Not relevant

UN Proper Shipping Name
Not relevant

Transport hazard class
Not hazardous

Packing group
Not relevant

Environmental hazards
Not relevant

Special precautions
Keep refrigerated / cool during shipment

Section 15: Regulatory information

TSCA
Not applicable

SARA 302
Not applicable

SARA 311/312
Not applicable

SARA 313
Not applicable

CERCLA
Not applicable

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

US State Right-to-Know Regulations
Not applicable
## Section 16: Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 9, 2020</td>
<td>3</td>
</tr>
</tbody>
</table>

### Further information

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