

EcoShield™ (ECP-100™)
Escherichia coli*-specific phage preparation*Section 1: Identification****Product identifier**

Product name: EcoShield™
(ECP-100™)

Catalog #: 07EP

Recommended use of the chemical and restrictions on use

Phage preparation effective against *Escherichia coli* O157:H7

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

Component	% composition	CAS #	Classification
Water	> 99.4	7732-18-5	Not applicable
Sodium chloride	0.58	7647-14-5	Not applicable
<i>Escherichia coli</i> O157:H7 – specific phages	< 0.01	Not applicable	Not applicable

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

Appearance	Clear/opalescent liquid
Odor	None
Odor threshold	No data available
pH	6.5 – 7.5
Melting point / freezing point	May start to solidify at –0.1°C (31.8°F) (WATER)
Initial boiling point and boiling range	The lowest known value is 99.9°C (211.8°F) (WATER).
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available

Relative density	1.01 g/cm ³
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

Revision date	Version
March 9, 2020	3

Further information

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