

Material Safety Data Sheet

LabTIE OP50 E. coli

1 Identification

1.1 Product identifier

- Trade name: *LabTIE OP50 E. Coli*
- Product ID: 'OP50 C.elegans nutrition '

1.2 Relevant identified uses of the substance

- uses: Laboratory Chemicals.
- uses advised against: not to be used for human consumption, see also section 2

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier:

LabTIE BV
De Grote Elst 52
5246 JR, Rosmalen
the Netherlands
tel: +31 (0)85 1050 740
Customer support email: info@labtie.com

Emergency telephone number:

+31 (0)85 1050 740 to be used in the event of an EMERGENCY . However first consult section 4

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008
R22: Harmful if swallowed.
H302 Harmful if swallowed.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:

- **Product identifier:**

Trade name: *LabTIE OP50 E. Coli*
Product ID: 'OP50 C.elegans nutrition '

- **Code letter and hazard designation of product:**



Xn Harmful

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2 Hazard(s) identification (Cont'd)

- **Risk phrases:**
 - 22 Harmful if swallowed.
- **Safety phrases:**
 - 20 When using do not eat or drink.
 - 22 Do not breathe / inhale dust.
 - 25 Avoid contact with eyes.
 - 35 This material and its container must be disposed of in a safe way.
- **Routes of exposure: Ingestion**

2.3 Other hazards

- **Results of PBT and vPvB assessment**
 - PBT:** None, not applicable.
 - vPvB:** None, not applicable.

3 Composition/information on ingredients

3.1 Substances

- **EC No:** there is no product identifier in accordance with Article 18(2) of Regulation (EC) No 1272/2008
- **CAS No. Description:** Escherichia coli (E. coli) bacteria - freeze dried
- **Additional information:** This product does not contain any compounds derived from animals or substances fulfilling the criteria of hazard class "acute toxicity" according to CLP regulation.

4 First-aid measures

4.1 Description of first aid measures

- **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **Following inhalation:** Supply fresh air; consult doctor in case of complaints.
- **Following skin contact:** Rinse, with water and soap.
- **Following eye contact:** Rinse opened eye for several minutes under running water.
- **Following ingestion:** Immediately call a doctor.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

5 Fire-fighting measures

5.1 Extinguishing media:

- **Suitable extinguishing agents:** CO₂, extinguishing powder or water spray.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for firefighters:

No special protective actions or protective equipment are required.

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

- For non-emergency personnel: wear protective (lab) clothing.
- For emergency responders: if possible avoid contact with substance. Else see section 4

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling:

- Prevent formation of dust.

7.2 Conditions for safe storage, including any incompatibilities:

- Storage in accordance with product specification

7.3 Specific end uses:

- No further relevant information available.
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8 Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not applicable

8.1.2 Biological limit values: Not applicable

8.1.3 Exposure limits at intended use: Not applicable

8.1.4 DNEL/PNEC-values: No Acute or Long-term effects, see also section 4

8.2 Exposure controls:

8.2.1. Appropriate engineering controls: Not applicable

8.2.2 Personal protective equipment:

- **Eye protection:** Safety glasses
- **Skin / Body protection:** Lab coat / full sleeve clothing
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Preferable use an Alcohol Gel to sanitize hands.
- **Respiratory protection:** In principle use a laminar flow hood, however in case of brief exposure or low pollution use hygiene mask as a minimum and/or respiratory filter device.
- **Protection of hands:** Protective synthetic gloves.

8.2.3 Environmental exposure controls: Not applicable

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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: powder / solid

Color: Light yellow

Odor: none if dry

Property	Value
pH	6.8 – 7.2
Flammability (solid, gas)	Not flammable
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Explosive properties	Product does not present an explosion hazard
Oxidizing properties	None
Solubility in / Miscibility with water	Fully miscible
Organic solvents	0%
Solid content	100%

10 Stability and reactivity

10.1 Reactivity: Bio substance, not reactive, no further relevant information available.

10.2 Chemical stability: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances:

- **Acute toxicity:** None
- **Skin and Eye irritation:** No irritant effect.
- **Sensitization:** No sensitizing effects known.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):**
 - **IARC (International Agency for Research on Cancer):** Substance is not listed.
 - **NTP (National Toxicology Program):** Substance is not listed.

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12 Ecological information

12.1 Toxicity:

- **Aquatic toxicity:** Not toxic.

12.2 Persistence and degradability:

fully bio-degradable.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects:

No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods:

- **Recommendation:** do not dispose of together with household garbage. Do not allow product to reach sewage system untreated.
- **Waste treatment options:** dissolve in water and autoclave before disposal.
- **Packaging's:** Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number:

UN3373

14.2 UN proper shipping name:

Biological substance, Category B

14.3 Transport hazard class(es):

- DOT, ADR, ADN, IMDG, IATA
- Class Void

14.4 Packing group:

- DOT, ADR, IMDG, IATA
- Class Void

14.5 Environmental hazards:

- **Marine pollutant:** No

14.6 Special precautions for user:

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- **SARA (Superfund Amendments and Reauthorization Act of 1986 - USA):**
 - o **Section 302/304 (40CFR355.30 / 40CFR355.40):** Substance not listed.
 - o **Section 313 (40CFR372.65):** Substance is not listed.
 - o **TSCA (Toxic Substances Control Act):** Substance is not listed.
- **Carcinogenic categories:**
 - o **EPA (Environmental Protection Agency):** Substance is not listed.
 - o **TLV (Threshold Limit Value established by ACGIH):** Substance is not listed.
 - o **MAK (German Maximum Workplace Concentration):** Substance is not listed.
 - o **NIOSH-Ca (National Institute for Occupational Safety and Health):** Substance is not listed.
 - o **OSHA-Ca (Occupational Safety & Health Administration):** Substance is not listed.



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16 Other information Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and implies no liability or other legal responsibility.

Version: 1.0

Reviewed: May 3, 2017

Published: May 4, 2017

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Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level

DOT: US Department of Transportation

EC: European Community

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

OSHA: The Occupational Safety and Health Administration - agency of the United States Department of Labor

PBT/vPvB: Persistent, Bioaccumulative and Toxic / very Persistent and very Bioaccumulative

PNEC: Predicted No Effect Concentration

SARA: Superfund Amendments and Reauthorization Act of 1986 – USA

TSCA: Toxic Substances Control Act

UN: United Nations