



SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

Product code 100004933
Product name PichiaPink™ Strain 1

Company/Undertaking Identification

Life Technologies
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Carlsbad, CA 92008
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Life Technologies Japan Ltd.
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24 hour Emergency Response:

866-536-0631
301-431-8585
Outside of the U.S. ++1-301-431-8585

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards identification

GHS - Classification

Signal word
not hazardous

Health hazard
not hazardous

Physical hazards
not hazardous

Revision Date: 17-Sep-2013
Product code 100004933

Page 1 / 5
Product name PichiaPink™ Strain 1

**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.

Specific effects

Carcinogenic effects none
Mutagenic effects none
Reproductive toxicity none
Sensitisation none

Target Organ Effects No known effects under normal use conditions

3. Composition/information on ingredients

Chemical Name	CAS-No.	Weight percent
Glycerin	56-81-5	10-30

We recommend handling all chemicals with caution.

4. FIRST AID MEASURES

Skin contact Rinse with plenty of water. If symptoms arise, call a physician.
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment.
Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional information.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Storage Keep in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Exposure limits

Chemical Name	Japan REL - Ceiling Limits	Japan OEL (TWA)
Glycerin 56-81-5	None	None

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 Safety glasses with side-shields
Skin and body protection Lightweight protective clothing.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form suspension
Appearance No information available
Odour No information available
Boiling Point/Range °C No data available °F No data available
Melting point/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
oxidising properties No information available
Water solubility soluble

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.
Materials to avoid No dangerous reaction known under conditions of normal use.
Hazardous decomposition products None under normal use.
polymerisation Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Revision Date: 17-Sep-2013
Product code 100004933

Page 3 / 5
Product name PichiaPink™ Strain 1

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Glycerin	= 12600 mg/kg Oral	No data available	No data 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
Sensitisation	none
Target Organ Effects	No known effects under normal use conditions

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Daphnia magna (Water flea)
Mobility	see log Pow
Biodegradation	Inherently biodegradable.
Bioaccumulation	Does not bioaccumulate.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Glycerin 56-81-5		Daphnia magna EC50>500 mg/L (24 h)			logPow-1.76

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations.
Hazard class	None
Subsidiary Class	None
Packing group	None
UN-No	None

15. Regulatory information

Japan Inventories

Complies

Chemical Name	Japan ISHL	Japan PRTR	Japan PDSCl	Japan Fire Service Law
Glycerin	Not Listed	Not Listed	Not listed	Group 4 - Flammable liquids III (listed under 3rd Class petroleum - soluble)

Revision Date: 17-Sep-2013
Product code 100004933

Page 4 / 5
Product name PichiaPink™ Strain 1

Chemical Name	Weight percent	Japan - Air Pollution Control Law
Glycerin	10-30	400 - 60000

16. OTHER INFORMATION

This product formulation has been reviewed against the following Japan regulations: Fire Service Law, Poisonous and Deleterious Substance Control Law, Pollutant Release and Transfer Register, Industrial Safety and Health Law, Chemical Substance Control Law, Prohibition of Chemical Weapons and Regulation Specific Chemicals, Water Pollution Control Law, Air Pollution Control Law, Narcotics and Psychotropic Control Act, Stimulants Control Act, and Cannabis Control Act

Reason for Revision (M)SDS sections updated

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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End of Safety Data Sheet