

SAFETY DATA SHEET

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

Identification of the substance or mixture

Product code P36980
Product name ProLong™ Glass Antifade Mountant

Company/undertaking identification

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

Life Technologies Japan Co. Ltd.
2-4-3 Showajima
Ota-ku, Tokyo
Japan, 143-0004

TEL +81-3-6832-9300

24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident. Spill, Leak, Fire, Exposure, or Accident. Call CHEMTREC Within the USA + Canada: 1-800-424-9300 and +1 703-527-3887
Outside the USA + Canada: +1 703-741-5970

Country specific Emergency Number (if available):

CHEMTREC Japan (Tokyo) +(81)-345209637 (Greeting language: Japanese)

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SECTION 2: Hazards identification

GHS - Classification

Signal word
None

Hazard pictograms
None

Health hazards
Not classified

Physical hazards
Not classified

Environmental Hazards
Not classified

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Hazard Statements

Not Applicable

Precautionary Statements**Prevention**

Not Applicable

Response

Not Applicable

Storage

Not Applicable

Disposal

Not Applicable

Other hazards

Not applicable

SECTION 3: Composition/information on ingredients

| Component | CAS-No. | Weight percent |
|------------------------------|---------|----------------|
| Glycerin 56-81-5 (5-10) | 56-81-5 | 5-10 |

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First aid measures**Description of first aid measures****Skin contact**

Rinse with plenty of water. 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.

Notes to Physician

Treat symptomatically.

Most important symptoms and effects, both acute and delayed

Not Applicable

Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

Extinguishing media

Suitable Extinguishing Media
Unsuitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.
No information available.

Special hazards arising from the substance or mixture Not known.

Advice for fire-fighters

Standard procedure for chemical fires.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.

Environmental precautions

Avoid discharge into drains and waterways whenever possible.

Methods and material for containment and cleaning up

Soak up with inert absorbent material.

Reference to other sections

See section 8 for more information.

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protective equipment as required. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Specific end use(s)

For research use only.

SECTION 8: Exposure controls/personal protection

Control parameters

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

Engineering measures

Ensure adequate ventilation, especially in confined areas

Exposure controls

Personal protective equipment

Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand Protection

Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

| | |
|--|---|
| Eye protection | Tight sealing safety goggles |
| Skin and body protection | Wear suitable protective clothing |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice |
| Environmental exposure controls | |
| Avoid discharge into drains and waterways whenever possible. | |

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | | |
|---|--------------------------------|--------------------------------|
| Appearance | Liquid | |
| Odour | no data available | |
| pH | 8.4 | |
| Melting point / melting range | °C Mixture has not been tested | °F Mixture has not been tested |
| Boiling point / boiling range | °C Mixture has not been tested | °F Mixture has not been tested |
| Flash point | °C Mixture has not been tested | °F Mixture has not been tested |
| Autoignition temperature | °C Mixture has not been tested | °F Mixture has not been tested |
| Decomposition temperature | °C Mixture has not been tested | °F Mixture has not been tested |
| Evaporation rate | No data available | |
| Flammability (solid, gas) | No data available | |
| Upper explosion limit | Mixture has not been tested | |
| Lower explosion limit | Mixture has not been tested | |
| Vapour Pressure | Mixture has not been tested | |
| Relative density | Mixture has not been tested | |
| Specific gravity | No data available | |
| Solubility | no data available | |
| Partition coefficient: n-octanol/water | No data available | |
| Explosive properties | Mixture has not been tested | |
| OTHER INFORMATION | No data available | |

SECTION 10: Stability and reactivity

| | |
|---|---|
| Reactivity | None known. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to Avoid | No information available. |
| Incompatible Materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | No data available. |

SECTION 11: Toxicological information

Information on toxicological effects

To the best of our knowledge, the chemical, physical, biological, and toxicological properties of this product have not been thoroughly investigated.

| Chemical Name | LD50 (oral, rat/mouse) | LD50 (dermal, rat/rabbit) | LC50 (inhalation, rat/mouse) |
|---------------|------------------------|---------------------------|------------------------------|
| Glycerin | = 12600 mg/kg (Rat) | No data available | >570mg/m ³ (Rat) |

Principal Routes of Exposure Potential health effects

| | |
|---------------------------------|--------------------------|
| Irritation | No information available |
| Corrosivity | No information available |
| Sensitisation | No information available |
| STOT - Single Exposure | No information available |
| STOT - Repeated Exposure | No information available |
| Carcinogenicity | No information available |
| Mutagenicity | No information available |
| Reproductive toxicity | No information available |
| Aspiration hazard | No information available |

SECTION 12: Ecological information

Toxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name | Freshwater Algae Data | Water Flea Data | Freshwater Fish Species Data | Microtox Data | log Pow |
|---------------|-----------------------|---------------------------------------|------------------------------|-------------------|-------------|
| Glycerin | No data available | Daphnia magna EC50>500 mg/L (24 h) | No data available | No data available | logPow-1.76 |

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Results of PBT and vPvB assessment

No information available.

Other adverse effects No information available.

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Not classified as dangerous in the meaning of transport regulations.

UN Number Not Applicable

UN proper shipping name Not Applicable

Transport hazard class(es) Not Applicable

Packing group Not Applicable

Environmental Hazards Not Applicable

Special precautions for user Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable.

SECTION 15: Regulatory information

Japan Chemical Inventories

If there is exemption in the column, please refer the concentration in section 3 and/or the form in section 9 to determine applicable/not applicable.

| Chemical Name | Japan - Fire Service Law - Hazardous Materials | Japan - Fire Service Law - Designation of Materials Requiring Notification |
|---------------|--|--|
| Glycerin | Group 4 - Flammable liquids III (listed under 3rd Class petroleum - soluble) | 4000 L TQ (listed under 3rd Class petroleum - soluble) |

SECTION 16: Other information

Unless specifically referenced in section 15 of this SDS, we have determined that this product does not require further notification or listing under the following Japanese regulations or laws: 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.

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Reason for revision SDS sections updated.
Revision number 2
Revision date 16-Aug-2017

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References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

"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. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"

End of Safety Data Sheet