

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Identification

Product Name DeepLabel™ Washing Buffer
Product Number C33004

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Manufacturer

Logos Biosystems, Inc.
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Supplier

Logos Biosystems, Inc.
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Emergency telephone number +82 31 478 4185

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

2. HAZARDS IDENTIFICATION

[GHS classification]

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye irritation (Category 2).
Chronic aquatic toxicity (Category 3)
Acute toxicity, Oral (Category 2), H300
Acute toxicity, Dermal (Category 1), H310
Specific target organ toxicity -repeated exposure, Oral (Category 2), Brain, H373
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

Label elements

Labelling according Regulation (EC) No 1272/2008

Hazard pictograms



Signal word Warning

Hazard statements

- H302 – Harmful if swallowed.
- H319 – Causes serious eye irritation.
- H412 – Harmful to aquatic life with long lasting effects.

Precautionary statements

- P264 – Wash skin thoroughly after handling. (H302) (H315) (H319) (H372)
- P270 – Do not eat, drink, or smoke when using this product. (H302) (H372)
- P273 – Avoid release to the environment. (H402)
- P280 – Wear protective gloves, eyewear, clothing and face protection. (H315) (H319) (H340) (H350) (H361)
- P301 + P312 + P330 – IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. (H302)
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- P337 + P313 – If eye irritation persists: Get medical advice/attention.
- P501 – Dispose of contents/container to an approved waste disposal plant.

Other hazards

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

| Synonyms | Formula | CAS No. | Weight % |
|--------------|------------------|--------------|------------|
| Trade secret | Trade secret | Trade secret | 0.1% |
| Trade secret | Trade secret | Trade secret | 0.5-1% |
| Trade secret | Trade secret | Trade secret | 0.01-0.02% |
| Trade secret | Trade secret | Trade secret | 0.02-0.04% |
| Sodium azide | NaN ₃ | 247-852-1 | 0.05% |

4. FIRST AID MEASURES

Description of first aid measures

| | |
|------------------------|---|
| In case of eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required. |
|------------------------|---|

| | |
|--|---|
| In case of skin contact | Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required |
| After inhalation | Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately |
| After swallowing | Induce vomiting and call for medical help. |
| Indication of any immediate medical attention and special treatment needed | No further relevant information available |

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substances or mixture

Carbon oxides, Sodium oxide

Advice of fire-fighters

Protective equipment

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Further information

No further relevant information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Environmental precautions

Prevent further leakage of spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Take up mechanically and collect in suitable container for disposal. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

No further relevant information available

7. HANDLING AND STORAGE

Precautions for safe handling

Always wear recommended Personal Protective Equipment (mask, glove). Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

No further relevant information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters**

Components with workplace control parameters

Exposure controls**Appropriate engineering controls**

Avoid contact eyes, skin. Wash hands immediately after handling

Personal protective equipment

| | |
|--|---|
| Respiratory protection | Hood |
| Hand protection | Protective gloves |
| Eye protection | Safety glasses |
| Skin and Body protection | Handle with Protective gloves and wear lab clothing |
| Control of Environmental exposure | Hood |

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | |
|---|-------------------|
| Appearance | Form: liquid |
| Odour | Odourless |
| Odour Threshold | No data available |
| pH | [7.3] |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | 100°C |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper/lower flammability or explosive limits | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Specific Gravity/Relative density | No data available |
| Solubility | Fully miscible |
| Partition coefficient: n-octanol / water | No data available |

| | |
|----------------------------------|-------------------|
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Dynamic viscosity | No data available |

10. STABILITY AND REACTIVITY

Stability

Stability Stable under recommended storage conditions
Reactivity No further relevant information available

Possibility of hazardous reactions

No further relevant information available

Conditions to avoid

No further relevant information available

Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents, Halogenated hydrocarbon, Metals, Acids, Acid chlorides, Hydrazine, Dimethyl sulfate, Inorganic acid chlorides

Hazardous decomposition products

Sodium oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

No further relevant information available

Skin corrosion/irritation

No skin irritation – 15min (reconstructed human epidermis)

Serious eye damage/eye irritation

No eye irritation – 4h (Bovine cornea)

Respiratory or skin sensitization

Does not cause skin sensitization (Mouse)

Germ cell mutagenicity

No further relevant information available

Carcinogenicity

No further relevant information available

Reproductive toxicity

No further relevant information available

Specific target organ toxicity – single exposure

No further relevant information available

Specific target organ toxicity – repeated exposure

Oral – May cause damage to organs through prolonged or repeated exposure (Brain)

Aspiration hazard

No further relevant information available

Potential health effects

No further relevant information available

Additional Information

No further relevant information available

12. ECOLOGICAL INFORMATION**Toxicity**

No further relevant information available

Persistence and degradability

No further relevant information available

Bioaccumulative potential

No further relevant information available

Mobility in soil

No further relevant information available

Results of PBT and vPvB assessment

No data available

Other adverse effects

No further relevant information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Product**

Hand over to hazardous waste disposer

Contaminated packaging

Accord to official regulations

14. TRANSPORT INFORMATION

| | | | |
|------------------------------------|------------------------------|---------------------------|---------------------------|
| UN number | ADR/RID: - | IMDG: - | IATA: - |
| UN proper shipping name | ADR/RID: Not dangerous goods | IMDG: Not dangerous goods | IATA: Not dangerous goods |
| Transport hazard class (es) | ADR/RID: - | IMDG: - | IATA: - |
| Packaging group | ADR/RID: - | IMDG: - | IATA: - |

| | | | |
|-------------------------------------|-------------------|---------------------------|----------|
| Environmental hazards | ADR/RID: no | IMDG Marine pollutant: no | IATA: no |
| Special precautions for user | No data available | | |

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical safety assessment

A chemical safety assessment has not been carried out

16. OTHER INFORMATION

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Logos Biosystems, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See the reverse side of invoice or packing slip for additional terms and conditions of sale.

End of Safety Data Sheet