

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Identification

Product Name DeepLabel™ Solution B  
Product Number C33003

### 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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Telephone: +82-31-478-4185  
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### Supplier

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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	CAS No.	Weight %
Trade secret	Trade secret	< 1%

## 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
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**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. Sweep up and shovel. Do not flush with water.

**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**

<b>Respiratory protection</b>	Hood
<b>Hand protection</b>	Protective gloves
<b>Eye protection</b>	Safety glasses
<b>Skin and Body protection</b>	Handle with Protective gloves and wear lab clothing
<b>Control of Environmental exposure</b>	Hood

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

<b>Appearance</b>	Form: liquid
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	100°C
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Specific Gravity/Relative density</b>	No data available
<b>Solubility</b>	Fully miscible
<b>Partition coefficient: n-octanol / water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Dynamic viscosity</b>	No data available

## 10. STABILITY AND REACTIVITY

### Stability

<b>Stability</b>	Stable under recommended storage conditions
<b>Reactivity</b>	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

<b>UN number</b>	ADR/RID: -	IMDG: -	IATA: -
<b>UN proper shipping name</b>	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
<b>Transport hazard class (es)</b>	ADR/RID: -	IMDG: -	IATA: -
<b>Packaging group</b>	ADR/RID: -	IMDG: -	IATA: -
<b>Environmental hazards</b>	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
<b>Special precautions for user</b>	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**

No further relevant information available

**Chemical safety assessment**

A chemical safety assessment has not been carried out

## **16. OTHER INFORMATION**

**Further information**

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End of Safety Data Sheet