

# SAFETY DATA SHEET

---

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

- a. Product Name : Cell Dilution Buffer
- Product Number : F23212
- b. Relevant identified uses of the substance or mixture and uses advised against : **Identified uses**  
Laboratory chemicals, Manufacture of substances
- c. Manufacturer & Supplier : Aligned Genetics, Inc  
FL 3 28 Simindaero 327 beon-gil  
Dongan-gu, Anyang-si  
Gyeonggi-do 14055  
South Korea  
Telephone: +82-31-478-4185  
Fax: +82-31-360-4277  
E-mail: sales@logosbio.com
- Emergency telephone number : +82 31 478 4185

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

---

## SECTION 2: Hazards identification

**a. GHS classification**

Classification according to Regulation (EC) No 1272/2008  
Not hazardous

**b. GHS-Labeling**

Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms  
None

Signal word  
Not hazardous

Hazard statements  
Not hazardous

Precautionary statements  
Not hazardous

**c. Other hazard which do not result in classification**

None

## SECTION 3: Composition/ Information on ingredients

### 3b. Mixtures

No components need to be disclosed according to the applicable regulations.

---

## SECTION 4: First aid measures

- a. In case of eye contact**  
Flush eyes with water. Consult a physician.
- b. In case of skin contact**  
Wash off with soap and plenty of water.
- c. If inhaled**  
If breathed in, move person into the fresh air. If not breathing, give artificial respiration.
- d. If swallowed**  
Never give anything by mouth to an unconscious person. Rinse mouth with water.
- e. Indication of any immediate medical attention and special treatment needed**  
No data available.

---

## SECTION 5: Firefighting measures

- a. Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- b. Specific hazards arising from the chemical**  
Nature of decomposition products is not known.
- c. Special protective actions for fire-fighters**  
Wear self-contained breathing apparatus and protective suit.
- d. Further information**  
No data available.

---

## SECTION 6: Accidental release measures

- a. Personal precautions, protective equipment and emergency procedures**  
Avoid breathing vapors, mist or gas.
- b. Environmental precautions**  
No special environmental precautions required.
- c. Methods and materials for containment and cleaning up**  
Keep in suitable, closed containers for disposal.
- d. Reference to other sections**  
For disposal see section 13.

---

## SECTION 7: Handling and storage

- a. Precautions for safe handling**  
No data available.
- b. Conditions for safe storage**  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**c. Specific end use(s)**

No data available.

---

**SECTION 8: Exposure controls/ personal protection**

**a. Control parameters**

Components with workplace control parameters.

**b. Appropriate engineering controls**

General industrial hygiene practice.

**c. Personal protective equipment**

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and Body protection**

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of Environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

---

**SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

<b>a. Appearance</b>	Form: liquid Colour: colorless
<b>b. Odor</b>	No data available
<b>c. Odor Threshold</b>	No data available
<b>d. pH</b>	No data available
<b>e. Melting point/freezing point</b>	No data available
<b>f. Initial boiling point and boiling range</b>	100°C
<b>g. Flash point</b>	No data available
<b>h. Evaporation rate</b>	No data available
<b>i. Flammability (solid, gas)</b>	No data available
<b>j. Lower explosion limit</b>	No data available
<b>k. Upper explosion limit</b>	No data available
<b>l. Vapour pressure</b>	No data available
<b>m. Vapour density</b>	No data available
<b>n. Specific Gravity/Relative density</b>	No data available

<b>o. Solubility</b>	No data available
<b>p. Partition coefficient: n-octanol / water</b>	No data available
<b>q. Auto-ignition temperature</b>	No data available
<b>r. Decomposition temperature</b>	No data available
<b>s. Viscosity</b>	No data available
<b>t. Dynamic viscosity</b>	No data available

**Other safety information**  
No data available

---

## SECTION 10: Stability and reactivity

- a. Stability**  
No data available
- b. Reactivity**  
No data available.
- c. Possibility of hazardous reactions**  
No data available.
- d. Conditions to avoid**  
No data available.
- e. Incompatible materials**  
Strong oxidizing agents
- f. Hazardous decomposition products**  
None under normal use

---

## SECTION 11: Toxicological information

- a. Information on likely routes of exposure**
  - Inhalation**  
May be harmful by inhalation.
  - Ingestion**  
May be harmful if swallowed.
  - Skin**  
May cause skin irritation in susceptible persons.
  - Eyes**  
May cause eye irritation with susceptible persons.
- b. Delayed and immediate effects and also chronic effect from short and long term exposure**
  - Acute toxicity**  
No data available.
  - Skin corrosion/irritation**  
No data available.
  - Serious eye damage/eye irritation**  
No data available.
  - Respiratory or skin sensitization**  
No data available.
  - Germ cell mutagenicity**

No data available.

**Carcinogenicity**

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available.

**Specific target organ toxicity – single exposure**

No data available.

**Specific target organ toxicity – repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Additional information**

RTECS: Not available.

---

**SECTION 12: Ecological information**

**a. Toxicity**

No data available.

**b. Persistence and degradability**

No data available.

**c. Bioaccumulative potential**

No data available.

**d. Mobility in soil**

No data available.

**e. Results of PBT and vPvB assessment**

No data available.

**f. Other adverse effects**

No data available.

---

**SECTION 13: Disposal considerations**

**a. Disposal methods**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**b. Contaminates packaging**

Dispose of as unused product.

---

**SECTION 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:	IMDG: -	IATA: -
<b>Special precautions for user</b>	No data available		

---

## SECTION 15: Regulatory information

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

**a. Regulation under the Occupational Safety and Health Act**

No data available.

**b. Chemical safety assessment**

No data available.

---

## SECTION 16: Other information

### Further information

Copyright 2020. Aligned Genetics, Inc. This license granted to make unlimited paper copies for internal use only.

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 applies to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aligned Genetics, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or contact with the above product. See the reverse side of the invoice or packing slip for additional terms and conditions of sale.

End of Safety Data Sheet