

# SAFETY DATA SHEET

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

- a. Product Name : QUANTOM™ Cell Loading Buffer I
- Product Number : Q13001, Q13006, Q13009
- 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  
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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.**

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## 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

Component:	Glycerol
Synonyms:	Glycerin
Formula:	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>
CAS-No.:	56-81-5
Weight%:	50-100%
Component:	Sodium azide
Synonyms:	Hydrazoic acid sodium salt-6-phenylphenanthridinium diiodide
Formula:	NaN <sub>3</sub>
CAS-No.:	26628-22-8
Weight%:	< 0.1 %

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## SECTION 4: First aid measures

- a. In case of eye contact**  
Rinse immediately with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If symptoms persist, consult a physician.
- b. In case of skin contact**  
Wash off with soap and plenty of water removing all contaminated clothes and shoes.
- c. If inhaled**  
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- d. If swallowed**  
Never give anything by mouth to an unconscious person. Rinse mouth with water.
- e. Most important symptoms and effects, both acute and delayed**  
no data available.
- f. Indication of any immediate medical attention and special treatment needed**  
no data available.

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## 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**  
Carbon oxides.
- c. Special protective actions for fire-fighters**  
Wear self-contained breathing apparatus for firefighting if necessary.
- d. Further information**  
No data available.

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## SECTION 6: Accidental release measures

- a. Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.
- b. Environmental precautions**

Do not let product enter drains.

**c. Methods and materials for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Absorb on sand or vermiculite and place in closed containers for disposal. Pick up and transfer to properly labeled containers. Ventilate area and wash spill after material pickup is complete.

**d. Reference to other sections**

For disposal see section 13.

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## **SECTION 7: Handling and storage**

**a. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Hygroscopic.

**b. Conditions for safe storage**

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Incompatible with strong oxidizing agents and strong bases.

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

no data available.

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

**a. Control parameters**

Components with workplace control parameters.

**b. Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**c. Personal protective equipment**

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching 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.

**Eye/face protection**

Avoid contact with eyes. Safety glasses with side-shields.

**Body protection**

Wear protective gloves/clothing.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with local regulations.

**Control of Environmental exposure**

Do not let product enter drains.

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## **SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

**a. Appearance**

Form: liquid

	Colour: clear
b. Odor	No data available
c. Odor Threshold	No data available
d. pH	No data available
e. Melting point/freezing point	20 °C
f. Initial boiling point and boiling range	182 °C
g. Flash point	160 °C
h. Evaporation rate	No data available
i. Flammability (solid, gas)	No data available
j. Lower explosion limit	No data available
k. Upper explosion limit	No data available
l. Vapour pressure	No data available
m. Vapour density	No data available
n. Specific Gravity/Relative density	No data available
o. Solubility	Soluble
p. Partition coefficient: n-octanol / water	No data available
q. Auto-ignition temperature	No data available
r. Decomposition temperature	No data available
s. Viscosity	No data available
t. Dynamic viscosity	No data available

**Other safety information**

No data available

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## SECTION 10: Stability and reactivity

- a. **Stability**  
Stable under recommended storage conditions.
- b. **Reactivity**  
No data available.
- c. **Possibility of hazardous reactions**  
None under normal processing.
- d. **Conditions to avoid**  
Extremes of temperature and direct sunlight.
- e. **Incompatible materials**  
Strong oxidizing agents. Strong bases.
- f. **Hazardous decomposition products**  
None known based on information supplied.

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## SECTION 11: Toxicological information

- a. **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: MA8050000

Prolonged or repeated exposure may cause: Nausea, Headache, Vomiting  
Kidney – Irregularities – Based on Human Evidence

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**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**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**f. Other adverse effects**

No data available.

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**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.

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**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: no	IMDG Marine pollutant: no	IATA: no
<b>Special precautions for user</b>	No data available		
<b>Maritime transport in bulk according to IMO instruments</b>		IMDG: -	

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## 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**  
For this product, a chemical safety assessment was not carried out.

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## SECTION 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 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