

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Identification

Product Name Propidium Iodide (PI) Stain  
Product Number F23004

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

Identified uses: Laboratory chemicals, Manufacture of substances

### Manufacturer

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

### 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.

## 2. HAZARDS IDENTIFICATION

### **[GHS classification]**

#### **Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

This substance is not classified as dangerous according to Directive 67/548/EEC.

### **Label elements**

Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms None

Signal word Not hazardous

Hazard statements  
Not hazardous

Precautionary statements  
Not hazardous

**Other hazards**

None

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Mixtures**

Component	Synonyms	Formula	CAS No.	Weight %
Propidium iodide	3,8-Diamino-5-(3-diethylaminopropyl)-6-phenylphenanthridinium iodide methiodide	C <sub>27</sub> H <sub>34</sub> I <sub>2</sub> N <sub>4</sub>	25535-16-4	< 1%

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

### 4. FIRST AID MEASURES

**Description of first aid measures**

In case of eye contact	Flush eyes with water as a precaution.
In case of skin contact	Wash off with soap and plenty of water.
After inhalation	If breathed in, move person into the fresh air. If not breathing, give artificial respiration.
After swallowing	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Indication of any immediate medical attention and special treatment needed	No data 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**

No data available

**Advice of fire-fighters**

**Protective equipment**

Wear self-contained breathing apparatus and protective suit.

**Further information**

No data available

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapours, mist or gas.

For personal protection see section 8.

### **Environmental precautions**

No special environmental precautions required.

### **Methods and materials for containment and cleaning up**

Keep in suitable, closed containers for disposal.

### **Reference to other sections**

For disposal, see section 13.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

For precautions, see section 2.

### **Conditions for safe storage, including any incompatibilities**

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

Recommended storage temperature: 2 - 8°C

### **Specific end use(s)**

Apart from the uses mentioned in section 1, no other specific uses are stipulated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control parameters**

**Components with workplace control parameters**

### **Exposure controls**

**Appropriate engineering controls**

General industrial hygiene practice.

**Personal protective equipment**

<b>Respiratory protection</b>	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).
-------------------------------	--

<b>Hand protection</b>	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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
<b>Eye protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin and Body protection</b>	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Control of Environmental exposure</b>	No special environmental precautions required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Form: liquid
<b>Odor</b>	No data available
<b>Odor 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>Flashpoint</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>	Soluble in water
<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

### **Other safety information**

No data available

## **10. STABILITY AND REACTIVITY**

### **Stability**

#### **Stability**

Stable under recommended storage conditions.

#### **Reactivity**

No data available

### **Possibility of hazardous reactions**

No data available

### **Conditions to avoid**

No data available

### **Incompatible materials**

No data available

### **Hazardous decomposition products**

Other decomposition products - no data available

In the event of fire: see section 5

## **11. TOXICOLOGICAL INFORMATION**

### **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

**Potential health effects**

No data available

**Additional Information**

RTECS: Not available

**12. ECOLOGICAL INFORMATION****Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

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

**Other adverse effects**

No data available

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

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

**Contaminated packaging**

Dispose of as unused product.

**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		

## 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 data available

### **Chemical safety assessment**

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

## 16. OTHER INFORMATION

### **Further information**

Copyright 2020. Aligned Genetics, Inc. The license is 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**