

SAFETY DATA SHEET

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

- a. Product Name : Propidium Iodide (PI) Stain for Yeast
Product Number : F23004
- 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
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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

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

SECTION 4: First aid measures

- a. In case of eye contact**
Flush eyes with water as a precaution.
- 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**
No data available.
- 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 vapours, mist or gas.
For personal protection see section 8.
- 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**
For precautions, see section 2.
- b. Conditions for safe storage**
Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: 2 - 8°C
- c. Specific end use(s)**
Apart from the uses mentioned in section 1, no other specific uses are stipulated.

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 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**
No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- | | |
|---|-------------------|
| a. Appearance | Form: liquid |
| b. Odor | No data available |
| c. Odor Threshold | No data available |
| d. pH | No data available |
| e. Melting point/freezing point | No data available |
| f. Initial boiling point and boiling range | 100°C |
| g. Flash point | No data available |

| | |
|--|-------------------|
| 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 in water |
| 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

SECTION 10: Stability and reactivity

- a. Stability**
Stable under recommended storage conditions.
- 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**
Other decomposition products – No data available.
In the event of fire: see section 5.

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: 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

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

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

| | | | |
|--------------------------------|------------------------------|---------------------------|---------------------------|
| 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 | | |

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.

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