

## Safety Data Sheet

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

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#### 1.1 Product identifiers

Product name: Propidium iodide \*CAS 25535-16-4\*

Product number: 17515

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

Identified uses: For research use only. Not intended for diagnostic or therapeutic use.

#### 1.3 Details of the supplier of the safety data sheet

Company: AAT Bioquest, Inc.

Address: 5775 W Las Positas Blvd, Pleasanton, CA 94588

Telephone: (408)-733-1055

Fax: (408)-733-1304

Email: [info@aatbio.com](mailto:info@aatbio.com)

#### 1.4 Emergency telephone number

Chemtrec (Within USA): 1-(800)-424-9300

Chemtrec (Outside USA): 1-(703)-527-3887

### Section 2: Hazard identifications

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#### 2.1 Classification of the substance or mixture

Not hazardous

#### 2.2 Label elements

Signal word: Not applicable

Hazard statements: Not applicable

Symbols/Pictograms: Not applicable

Precautionary statements - prevention: Not applicable

Precautionary statements - response: Not applicable

Precautionary statements - storage: Not applicable

Precautionary statements - disposal: Not applicable

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Hazards not otherwise classified (HNOC): Not available

#### 2.4 Other information

Other hazards: Not Applicable

### Section 3: Composition/information on ingredients

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### 3.1 Substances

|                   |                                   |
|-------------------|-----------------------------------|
| Chemical name:    | Propidium iodide *CAS 25535-16-4* |
| CAS number:       | 25535-16-4                        |
| Molecular weight: | 668.39                            |
| Formula:          | Not available                     |

## Section 4: First aid measures

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### 4.1 First-aid measures

|                                     |                                                                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| General advice:                     | If symptoms occur, seek medical advice/attention.                                                                                           |
| Eye contact:                        | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                        |
| Skin contact:                       | Rinse with plenty of water. Immediate medical attention is not required.                                                                    |
| Inhalation:                         | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.      |
| Ingestion:                          | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Self-protection of the first aider: | Use personal protective equipment.                                                                                                          |

### 4.2 Most important symptoms and effects, both acute and delayed

|           |                |
|-----------|----------------|
| Symptoms: | Not Applicable |
|-----------|----------------|

### 4.3 Indication of any immediate medical attention and special treatment needed

|                     |                        |
|---------------------|------------------------|
| Note to physicians: | Treat symptomatically. |
|---------------------|------------------------|

## Section 5: Firefighting measures

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### 5.1 Suitable extinguishing media

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Suitable extinguishing media:   | Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. |
| Unsuitable extinguishing media: | No information available.                                           |

### 5.2 Specific hazards arising from the chemical

|                                             |                           |
|---------------------------------------------|---------------------------|
| Specific hazards arising from the chemical: | Not known.                |
| Hazardous combustion products:              | No information available. |

### 5.3 Explosion data

|                                   |                           |
|-----------------------------------|---------------------------|
| Sensitivity to mechanical impact: | No information available. |
| Sensitivity to static discharge:  | No information available. |

### 5.4 Protective equipment and precautions for firefighters

|                                                        |                                        |
|--------------------------------------------------------|----------------------------------------|
| Protective equipment and precautions for firefighters: | Standard procedure for chemical fires. |
|--------------------------------------------------------|----------------------------------------|

## Section 6: Accidental release measures

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

|                       |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions: | Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See Section 8 for more detail |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

## 6.2 Environmental precautions

|                            |                                                |
|----------------------------|------------------------------------------------|
| Environmental precautions: | No special environmental precautions required. |
|----------------------------|------------------------------------------------|

## 6.3 Methods and material for containment and cleaning up

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Methods for containment: | Take up mechanically, placing in appropriate containers for disposal. |
| Methods for cleaning up: | Take up mechanically, placing in appropriate containers for disposal. |

## Section 7: Handling and storage

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### 7.1 Precautions for safe handling

|                          |                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------|
| Advice on safe handling: | Use personal protective equipment as required. No special handling advices are necessary. |
|--------------------------|-------------------------------------------------------------------------------------------|

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

|                         |                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------|
| Storage conditions:     | Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. |
| Incompatible materials: | No information available.                                                           |

## Section 8: Exposure controls/personal protection

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### 8.1 Control parameters

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Exposure guidelines: | Contains no substances with occupational exposure limit values. |
|----------------------|-----------------------------------------------------------------|

### 8.2 Appropriate engineering controls

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Engineering controls: | Ensure adequate ventilation, especially in confined areas. |
|-----------------------|------------------------------------------------------------|

### 8.3 Individual protection measures, such as personal protective equipment

|                                 |                                                                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection:            | Tight sealing safety goggles.                                                                                                   |
| Skin and body protection:       | Wear suitable protective clothing.                                                                                              |
| Respiratory protection:         | In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards. |
| General hygiene considerations: | Handle in accordance with good industrial hygiene and safety practice                                                           |

## Section 9: Physical and chemical properties

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|                               |                           |
|-------------------------------|---------------------------|
| Physical state:               | Solid                     |
| Solubility in water:          | Moderate                  |
| Appearance:                   | No information available. |
| Odor/odor threshold:          | No data available         |
| pH:                           | Not Applicable            |
| Melting point/freezing point: | No data                   |
| Boiling point:                | No data                   |
| Flashpoint:                   | No data                   |
| Liquid density:               | No information available. |
| Evaporation rate:             | No data                   |
| Upper flammability limit:     | No data                   |

|                               |                           |
|-------------------------------|---------------------------|
| Lower flammability limit:     | No data                   |
| Vapor pressure:               | No data                   |
| Vapor density:                | No data                   |
| Specific gravity:             | No data                   |
| Water solubility:             | No data available         |
| Solubility in other solvents: | No information available. |
| Partition coefficient:        | No data available         |
| Autoignition temperature:     | No data                   |
| Decomposition temperature:    | No data                   |
| Viscosity:                    | No data                   |
| Explosive properties:         | No data                   |
| Oxidizing properties:         | No data                   |

## Section 10: Stability and reactivity

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|                                     |                                                             |
|-------------------------------------|-------------------------------------------------------------|
| Reactivity:                         | None known.                                                 |
| Chemical stability:                 | Stable under normal conditions.                             |
| Possibility of hazardous reactions: | Hazardous reaction has not been reported.                   |
| Hazardous polymerization:           | No information available.                                   |
| Conditions to avoid:                | No information available.                                   |
| Incompatible materials:             | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products:   | No data available.                                          |

## Section 11: Toxicological information

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### 11.1 Information on likely routes of exposure

|               |                           |
|---------------|---------------------------|
| Inhalation:   | No information available. |
| Eye contact:  | No information available. |
| Skin contact: | No information available. |
| Ingestion:    | No information available. |

### 11.2 Information on toxicological effects

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms: | There is no evidence available indicating acute toxicity. Acute toxicity Data are conclusive but insufficient for classification; Skin corrosion/irritation Data are conclusive but insufficient for classification; Serious eye damage/irritation Data are conclusive but insufficient for classification; Respiratory or skin sensitization Data are conclusive but insufficient for classification; Specific target organ toxicity (STOT) - single exposure Data are conclusive but insufficient for classification; Specific target organ toxicity (STOT) - repeated exposure Data are conclusive but insufficient for classification; Aspiration hazard Data are conclusive but insufficient for classification |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:

Carcinogenicity Data are conclusive but insufficient for classification;  
Germ cell mutagenicity Data are conclusive but insufficient for classification;  
Reproductive toxicity Data are conclusive but insufficient for classification

#### 11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:

No information available.

### Section 12: Ecological information

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Ecotoxicity:

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability:

No information available.

Bioaccumulation:

No information available.

Mobility:

No information available.

### Section 13: Disposal consideration

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Disposal of wastes:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations

Contaminated packaging:

Do not reuse container.

Other information:

None

### Section 14: Transport information

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DOT:

IATA / ADR / DOT-US / IMDG: Not regulated in the meaning of transport regulations. UN number Not Applicable; UN proper shipping name Not Applicable; Transport hazard class(es) Not Applicable; Packing group Not Applicable

IMDG:

IATA / ADR / DOT-US / IMDG: Not regulated in the meaning of transport regulations. UN number Not Applicable; UN proper shipping name Not Applicable; Transport hazard class(es) Not Applicable; Packing group Not Applicable

IATA:

IATA / ADR / DOT-US / IMDG: Not regulated in the meaning of transport regulations. UN number Not Applicable; UN proper shipping name Not Applicable; Transport hazard class(es) Not Applicable; Packing group Not Applicable

### Section 15: Regulatory information

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#### 15.1 International Inventories

US Toxic Substances Control Act (TSCA):

Not listed

Canada (DSL/NDSL):

Not listed

Europe (EINECS/ELINCS/NLP):

Not listed

Australia (AICS):

Not listed

South Korea (KECL):

Not listed

China (IECSC):

Not listed

|                      |            |
|----------------------|------------|
| Japan (ENCS):        | Not listed |
| Phillipines (PICCS): | Not listed |

## 15.2 US Federal Regulations

|                          |                                        |
|--------------------------|----------------------------------------|
| SARA 313:                | This product is not regulated by SARA. |
| SARA 311/312 components: | Not listed                             |
| CWA (Clean Water Act):   | No information available.              |

## 15.3 US State Regulations

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| California Proposition 65:            | This product does not contain any Proposition 65 chemicals. |
| Massachusetts-RTK:                    | Not listed                                                  |
| New Jersey-RTK:                       | Not listed                                                  |
| Pennsylvania-RTK:                     | Not listed                                                  |
| U.S. State Right-To-Know Regulations: | No information available.                                   |

## Section 16: Other information

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### 16.1 HMIS

|                      |                |
|----------------------|----------------|
| Health hazards:      | Not determined |
| Flammability:        | Not determined |
| Reactivity:          | Not determined |
| Personal protection: | Not determined |

### 16.2 NFPA

|                                   |                |
|-----------------------------------|----------------|
| Health hazards:                   | Not determined |
| Flammability:                     | Not determined |
| Stability:                        | Not determined |
| Physical and chemical properties: | Not determined |

### 16.3 Further information

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.