



## SAFETY DATA SHEET

Cat. No. CTG-AP0013, Propidium Iodide Solution in Water      ISSUE DATE MAY 3, 2019

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:            Propidium Iodide Solution in Water  
PRODUCT CODES:        Cat. No. CTG-AP0013  
MANUFACTURER:        Celltechgen LLC  
ADDRESS:            14780 Memorial Drive, Suite 210, Houston, TX 77079, United States  
EMERGENCY PHONE:    1-877-994-4100  
CHEMTREC PHONE:  
OTHER CALLS:    281-531-7940  
Email:    info@celltechgen.com

### SECTION 2. HAZARDS IDENTIFICATION

GHS - Classification  
Signal Word  
None

Hazard pictograms  
None

Health hazards  
Not Hazardous

Environmental hazards  
Not Hazardous

Hazard Statements  
Not Applicable

Precautionary Statements  
Prevention  
Not Applicable

Response  
Not Applicable

Storage  
Not Applicable

Disposal  
Not Applicable

Other hazards



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Not Applicable

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## HMIS

|              |   |
|--------------|---|
| Health       | 0 |
| Flammability | 0 |
| Reactivity   | 0 |

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

|                    |   |
|--------------------|---|
| Skin contact       | Rinse with plenty of water . Immediate medical attention is not required.   |
| Eye contact        | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  |
| Ingestion          | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Inhalation         | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.      |
| Notes to Physician | Treat symptomatically.  |

Most important symptoms and effects, both acute and delayed  
Not Applicable

Indication of any immediate medical attention and special treatment needed  
None.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable extinguishing media No information available.

Special hazards arising from the substance or mixture Not known.

Advice for fire-fighters Standard procedure for chemical fires.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.

Environmental precautions

No special environmental precautions required.



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Methods and material for containment and cleaning up  
Soak up with inert absorbent material.

Reference to other sections  
See section 8 for more information.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling  
Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities  
Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Specific end use(s)  
For research use only.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Exposure Limits Contains no substances with occupational exposure limit values.  
Engineering measures Ensure adequate ventilation, especially in confined areas

### Exposure controls

Personal Protective Equipment  
Respiratory protection In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection                      Wear suitable gloves Glove material: Compatible chemical-resistant gloves.  
Eye protection                      Tight sealing safety goggles

Skin and Body Protection              Wear suitable protective clothing  
Hygiene measures                      Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls  
No special environmental precautions required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                              |                   |
|------------------------------|-------------------|
| Appearance:                  | liquid            |
| Color:                       | Green             |
| Odor:                        | Odorless          |
| Odor Threshold:              | No data available |
| pH:                          | 7.2               |
| Melting point/range:         | No data available |
| Boiling point/boiling range: | No data available |
| Flash point:                 | does not flash    |
| Evaporation rate:            | No data available |



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|                           |                               |
|---------------------------|-------------------------------|
| Flammability (liquids):   | The product is not flammable. |
| Self-ignition :           | No data available             |
| Autoignition temperature: | No data available             |
| Upper explosion limit:    | No data available             |
| Lower explosion limit:    | No data available             |
| Vapor pressure:           | No data available             |
| Relative vapor density:   | No data available             |
| Relative density:         | No data available             |
| Density :                 | 1.14 g/cm <sup>3</sup>        |

## Solubility(ies)

|  |                   |
|--|-------------------|
| Water solubility:                      | Soluble           |
| Solubility in other solvents:          | No data available |
| Partition coefficient: noctanol/water: | No data available |
| Decomposition temperature:             | No data available |

## Viscosity

|                       |  |
|-----------------------|--|
| Viscosity, dynamic:   | No data available  |
| Viscosity, kinematic: | No data available  |
| Oxidizing properties: | The substance or mixture is not classified as oxidizing. |

## SECTION 10: STABILITY AND REACTIVITY

|                                     |  |
|-------------------------------------|--|
| Reactivity:                         | No dangerous reaction known under conditions of normal use.  |
| Chemical stability:                 | Stable under normal conditions.  |
| Possibility of hazardous reactions: | No dangerous reaction known under conditions of normal use.<br>No decomposition if stored and applied as directed.<br>Conditions to avoid: No data available |
| Incompatible materials:             | No data available  |
| Hazardous decomposition products:   | No data available  |

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

There is no evidence available indicating acute toxicity.

### Principal Routes of Exposure

|                          |  |
|--------------------------|--|
| Irritation               | Conclusive but not sufficient for classification |
| Corrosivity              | Conclusive but not sufficient for classification |
| Sensitization            | Conclusive but not sufficient for classification |
| STOT - Single Exposure   | Conclusive but not sufficient for classification |
| STOT - Repeated Exposure | Conclusive but not sufficient for classification |
| Carcinogenicity          | Conclusive but not sufficient for classification |
| Mutagenicity             | Conclusive but not sufficient for classification |
| Reproductive toxicity    | Conclusive but not sufficient for classification |
| Aspiration hazard        | Conclusive but not sufficient for classification |



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## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity

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

Persistence and degradability No information available.

Bioaccumulative potential No information available.

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects No information available.

## 13. Disposal considerations

### Waste treatment methods

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 accordance with 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

## SECTION 14: TRANSPORT INFORMATION

### 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

Environmental hazards Not Applicable

Special precautions for user Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable.

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

#### SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.



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US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## SECTION 16. OTHER INFORMATION

Issue Date: 5/13/2019

Version #: 2.1

Revision Information:

Source of information:

ECHA: <http://echa.europa.eu/>

TOXNET: <http://toxnet.nlm.nih.gov/>

eChemPortal: <http://www.echemportal.org/>

Further Information: No data available.

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