# DeNovix, Inc.

# Safety Data Sheet Propidium Iodide Dye for Apoptosis Assay

# **SECTION 1: Identification**

### 1.1 GHS Product identifier

Product name Propidium Iodide Dye for Apoptosis Assay

### 1.2 Other means of identification

Component 1 of 3 of KIT-CD-APOP-1

### 1.3 Recommended use of the chemical and restrictions on use

For research use only

### 1.4 Supplier's details

Name DeNovix, Inc.

Address 3411 Silverside Road

Hanby Building 101 Wilmington DE 19810

USA

Telephone 302-442-6911

### 1.5 Emergency phone number

302-442-6911

### **SECTION 2: Hazard identification**

### 2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

# 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

# SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

No ingredients present at concentrations classified as hazardous to health or the environment.

# **SECTION 4: First-aid measures**

### 4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial

respiration.

In case of skin contact Rinse with plenty of water. Get medical attention if irritation develops and

persists.

In case of eye contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. If eye irritation persists: Get

medical attention/advice.

If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious

person. Rinse mouth with water. Consult a physician.

Personal protective equipment for first-aid responders

Handle in accordance with good industrial hygiene and safety practice.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

### **SECTION 5: Fire-fighting measures**

### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Carbon oxides

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

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

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. For precautions see section 2.2.

# 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

# SECTION 8: Exposure controls/personal protection

#### 8.2 Appropriate engineering controls

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

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin 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.

### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

No information available No information available

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

No information available Appearance (physical state, color, etc.) Odor No information available Odor threshold No information available No information available Melting point/freezing point No information available Initial boiling point and boiling range No information available Flash point No information available Evaporation rate No information available Flammability (solid, gas) No information available

Upper/lower flammability or explosive limits

Vapor pressure

Version 1.0, Date of issue: 2025-10-02, p. 3 of 19

Vapor density
Relative density
No information available
Solubility(ies)
No information available
Partition coefficient: n-octanol/water
No information available
Auto-ignition temperature
No information available
Decomposition temperature
No information available
Viscosity
No information available

**Additional properties** 

Physical state Solid

Color No information available

**Particle characteristics** 

Not Applicable

Supplemental information regarding physical hazard classes

No information available

Further safety characteristics (supplemental)

No information available

# SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

None under normal use conditions.

# 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

# **SECTION 11: Toxicological information**

### Information on toxicological effects

### **Acute toxicity**

No information available

#### Skin corrosion/irritation

No information available

### Serious eye damage/irritation

No information available

### Respiratory or skin sensitization

No information available

### Germ cell mutagenicity

No information available

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

# Reproductive toxicity

No information available

# Specific target organ toxicity (STOT) - single exposure

No information available

### Specific target organ toxicity (STOT) - repeated exposure

No information available

### **Aspiration hazard**

No information available

# **SECTION 12: Ecological information**

### **Toxicity**

No information available

### Persistence and degradability

No information available

### Bioaccumulative potential

No information available

### Mobility in soil

No information available

#### Results of PBT and vPvB assessment

No information available

### **Endocrine disrupting properties**

No information available

#### Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

# **SECTION 13: Disposal considerations**

### **Disposal methods**

#### **Product disposal**

Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of empty container in the trash or recycle where facilities exist.

### Packaging disposal

Dispose of as unused product.

# **SECTION 14: Transport information**

### DOT (US)

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

# **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations specific for the product in question

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

#### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## SARA 311/312 Hazards

No SARA Hazards

### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

# **SECTION 16: Other information**

# 16.2 Preparation information

DISCLAIMER:

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 is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. DeNovix Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

# DeNovix, Inc.

# Safety Data Sheet 5X Annexin V Buffer

# **SECTION 1: Identification**

### 1.1 GHS Product identifier

Product name 5X Annexin V Buffer

### 1.2 Other means of identification

Component 2 of 3 of KIT-CD-APOP-1

### 1.3 Recommended use of the chemical and restrictions on use

For R&D Use

### 1.4 Supplier's details

Name DeNovix, Inc.

Address 3411 Silverside Road

Hanby Building 101 Wilmington DE 19810

USA

Telephone 302-442-6911

### 1.5 Emergency phone number

302-442-6911

### **SECTION 2: Hazard identification**

### 2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

# 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

# **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

No ingredients present at concentrations classified as hazardous to health or the environment.

### **SECTION 4: First-aid measures**

### 4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial

respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious

person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

### **SECTION 5: Fire-fighting measures**

### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

### 5.2 Specific hazards arising from the chemical

Carbon oxides

### 5.3 Special protective actions for fire-fighters

Wear self contained breathing apparatus for firefighting if necessary.

### **SECTION 6: Accidental release measures**

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

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### Methods and materials for containment and cleaning up 6.3

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

# SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid direct contact with substance.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store at 4°C.

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

### Appropriate engineering controls

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

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin 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.

# Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

# SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.) Liquid

No data available Odor Odor threshold No data available

7.4 Hg

Melting point/freezing point No data available Initial boiling point and boiling range No data available

Flash point No data available Evaporation rate No data available

Flammability (solid, gas) No data available Upper/lower flammability or explosive limits No data available Vapor pressure No data available

Vapor density No data available Relative density No data available Solubility(ies) Water Soluble No data available

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

No data available

No data available

No data available

**Additional properties** 

Physical state Liquid

Color No data available

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

None under normal use conditions.

# 10.2 Chemical stability

Stable under recommended storage conditions.

# 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

# **SECTION 11: Toxicological information**

### Information on toxicological effects

### **Acute toxicity**

May be harmful if swallowed.

### Skin corrosion/irritation

May be harmful if absorbed through skin. May cause skin irritation.

### Serious eye damage/irritation

May cause eye irritation.

### Respiratory or skin sensitization

May be harmful if inhaled. May cause respiratory tract irritation.

### Germ cell mutagenicity

No data available.

# Carcinogenicity

No data available.

### Reproductive toxicity

No data available.

# Summary of evaluation of the CMR properties

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Specific target organ toxicity (STOT) - single exposure

No data available.

### Specific target organ toxicity (STOT) - repeated exposure

No data available.

### **Aspiration hazard**

No data available.

# **SECTION 12: Ecological information**

### **Toxicity**

No data available on product

# Persistence and degradability

No data available on product

### **Bioaccumulative potential**

No data available on product

#### Mobility in soil

No data available on product.

### Results of PBT and vPvB assessment

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

### SECTION 13: Disposal considerations

### **Disposal methods**

### **Product disposal**

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

# SECTION 14: Transport information

### DOT (US)

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### IATA

Not dangerous goods

### SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 311/312 Hazards

No SARA Hazards

### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **SECTION 16: Other information**

# 16.2 Preparation information

DISCLAIMER:

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 is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. DeNovix Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

# DeNovix, Inc.

# Safety Data Sheet Annexin V

# **SECTION 1: Identification**

### 1.1 GHS Product identifier

Product name Annexin V

#### 1.2 Other means of identification

Component 3 of 3 of KIT-CD-APOP-1

### 1.3 Recommended use of the chemical and restrictions on use

For R&D Use

### 1.4 Supplier's details

Name DeNovix, Inc.

Address 3411 Silverside Road

Hanby Building 101 Wilmington DE 19810

USA

Telephone 302-442-6911

### 1.5 Emergency phone number

302-442-6911

### **SECTION 2: Hazard identification**

### 2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

# 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

# **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

No ingredients present at concentrations classified as hazardous to health or the environment.

### **SECTION 4: First-aid measures**

### 4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial

respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious

person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

### **SECTION 5: Fire-fighting measures**

### 5.1 Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

### 5.2 Specific hazards arising from the chemical

Carbon oxides

### 5.3 Special protective actions for fire-fighters

Wear self contained breathing apparatus for firefighting if necessary.

### SECTION 6: Accidental release measures

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

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid direct contact with substance.

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

Keep container tightly closed in a dry and well-ventilated place. Store at 4°C.

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

### 8.2 Appropriate engineering controls

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

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin 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.

### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

Appearance (physical state, color, etc.)

Liquid

Odor No data available
Odor threshold No data available

pH 7.4

Melting point/freezing point

No data available
Initial boiling point and boiling range

No data available

Flash point

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability or explosive limits

No data available

No data available

No data available

No data available

Vapor pressureNo data availableVapor densityNo data availableRelative densityNo data availableSolubility(ies)Water Soluble

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

No data available

No data available

No data available

No data available

### **Additional properties**

Physical state Liquid

Color No data available

# **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

# **SECTION 11: Toxicological information**

### Information on toxicological effects

#### Acute toxicity

May be harmful if swallowed.

### Skin corrosion/irritation

May be harmful if absorbed through skin. May cause skin irritation.

### Serious eye damage/irritation

May cause eye irritation.

### Respiratory or skin sensitization

May be harmful if inhaled. May cause respiratory tract irritation.

## Germ cell mutagenicity

No data available.

### Carcinogenicity

No data available.

### Reproductive toxicity

No data available.

### Summary of evaluation of the CMR properties

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

# Specific target organ toxicity (STOT) - single exposure

No data available.

### Specific target organ toxicity (STOT) - repeated exposure

No data available.

### **Aspiration hazard**

No data available.

# **SECTION 12: Ecological information**

### **Toxicity**

No data available on product

# Persistence and degradability

No data available on product

### Bioaccumulative potential

No data available on product

### Mobility in soil

No data available on product.

#### Results of PBT and vPvB assessment

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

### **SECTION 13: Disposal considerations**

### **Disposal methods**

### **Product disposal**

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

### SECTION 14: Transport information

DOT (US)

Not dangerous goods

#### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

# **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations specific for the product in question

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 311/312 Hazards

No SARA Hazards

### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **SECTION 16: Other information**

### 16.2 Preparation information

DISCLAIMER:

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 is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. DeNovix Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.