# SAFETY DATA SHEET
## Cat# K371-100, cAMP Direct Immunoassay Kit

### SDS DATE: 16APR2015

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME:</th>
<th>cAMP Direct Immunoassay Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT CODES:</td>
<td>Cat# K371-100</td>
</tr>
<tr>
<td>MANUFACTURER:</td>
<td>BioVision, Inc.</td>
</tr>
<tr>
<td>DIVISION:</td>
<td></td>
</tr>
<tr>
<td>ADDRESS:</td>
<td>155 S. Milpitas Blvd. Milpitas, CA 95035</td>
</tr>
<tr>
<td>EMERGENCY PHONE:</td>
<td>858-373-8066</td>
</tr>
<tr>
<td>CHEMTREC PHONE:</td>
<td></td>
</tr>
<tr>
<td>OTHER CALLS:</td>
<td>408-493-1800</td>
</tr>
<tr>
<td>FAX PHONE:</td>
<td>408-493-1801</td>
</tr>
</tbody>
</table>

## SECTION 2: HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Volume</th>
<th>Safety Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X cAMP Assay Buffer</td>
<td>Proprietary Buffer</td>
<td>25 ml</td>
<td>No hazards</td>
</tr>
<tr>
<td>Standard cAMP (10 nmol)</td>
<td>Lyophilized</td>
<td>1 vial</td>
<td>No hazards</td>
</tr>
<tr>
<td>Neutralizing Buffer</td>
<td>Proprietary Buffer</td>
<td>7.5 ml</td>
<td>No hazards</td>
</tr>
<tr>
<td>Acetylating Reagent A</td>
<td>Solution (contains acetic anhydrite)</td>
<td>0.75 ml</td>
<td>See below</td>
</tr>
<tr>
<td>Acetylating Reagent B</td>
<td>Solution (contains triethylamine)</td>
<td>1.5 ml</td>
<td>See below</td>
</tr>
<tr>
<td>Rabbit anti-cAMP pAb</td>
<td>Rabbit pAb in solution (contains 0.02% Thimerosal)</td>
<td>1 vial</td>
<td>See below</td>
</tr>
<tr>
<td>cAMP-HRP</td>
<td>Dried powder</td>
<td>1 vial</td>
<td>No hazards</td>
</tr>
<tr>
<td>HRP Developer</td>
<td>Clear liquid</td>
<td>10 ml</td>
<td>No hazards</td>
</tr>
<tr>
<td>Protein G Coated Plate</td>
<td>96-well plate with protein G</td>
<td>1 each</td>
<td>No hazards</td>
</tr>
</tbody>
</table>

**Acetic anhydride:**

**Emergency Overview**

**OSHA Hazards:** Combustible liquid, Toxic by inhalation, Harmful by ingestion, Corrosive

**Other hazards which do not result in classification:** Lachrymator, Reacts violently with water

**GHS Classification:**

- Flammable liquids (Category 3)
- Acute toxicity, Oral (Category 4)
- Acute toxicity, Inhalation (Category 3)
- Acute toxicity, Dermal (Category 5)
- Skin corrosion (Category 1B)
- Serious eye damage (Category 1)

**GHS Label elements, including precautionary statements**

**Pictogram:**

<table>
<thead>
<tr>
<th>Signal word:</th>
<th>Hazard statement(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger</td>
<td>H226 Flammable liquid and vapor</td>
</tr>
<tr>
<td></td>
<td>H302 Harmful if swallowed.</td>
</tr>
<tr>
<td></td>
<td>H313 May be harmful in contact with skin.</td>
</tr>
<tr>
<td></td>
<td>H314 Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td></td>
<td>H331 Toxic if inhaled.</td>
</tr>
</tbody>
</table>

**Precautionary statement(s):**

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**HMIS Classification**

- Health hazard: 3
- Flammability: 2

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SDS DATE: 16APR2015

Physical hazards: 0
NFP A Rating
  Health Hazard: 3
  Fire: 2
  Reactivity Hazard: 0

Potential Health Effects
  Inhalation: Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
  Skin: Harmful if absorbed through skin. Causes skin burns.
  Eyes: Causes eye burns.
  Ingestion: Harmful if swallowed.

Triethylamine:

Emergency Overview
OSHA Hazards: Flammable liquid, Target organ effect, Toxic by skin absorption, Toxic if inhaled, Harmful by ingestion, Corrosive
Target Organs: Central nervous system, Liver, Kidney, Heart

GHS Classification:
  Flammable liquids (Category 2)
  Acute toxicity, Oral (Category 4)
  Acute toxicity, Inhalation (Category 3)
  Acute toxicity, Dermal (Category 3)
  Skin corrosion (Category 1A)
  Serious eye damage (Category 1)
  Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary statements
Pictogram:

Signal word: Danger
Hazard statement(s):
  H225  Highly flammable liquid and vapor
  H302  Harmful if swallowed.
  H311+H331  Toxic in contact with skin or if inhaled.
  H314  Causes severe skin burns and eye damage.
  H402  Harmful to aquatic life.

Precautionary statement(s):
  P210  Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  P261  Avoid breathing dust/fume/gas/mist/vapors/spray.
  P280  Wear protective gloves/protective clothing/eye protection/face protection.
  P301+P312  IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
  P303+P361+P353  IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
  P304+P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

HMIS Classification
  Health hazard: 3
  Chronic health hazard: *
  Flammability: 3
  Physical hazards: 0
NFP A Rating
  Health Hazard: 3
  Fire: 3
  Reactivity Hazard: 0

Potential Health Effects
  Inhalation: Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
  Skin: Toxic if absorbed through skin. Causes skin burns.
  Eyes: Causes severe eye burns.
  Ingestion: Harmful if swallowed.

Thimerosal:

Emergency Overview
OSHA Hazards: Target organ effect, Highly toxic by inhalation, Highly toxic by ingestion, Highly toxic by skin absorption
Target Organs: Nerves, Kidney

GHS Classification:
  Acute toxicity, Oral (Category 2)
  Acute toxicity, Dermal (Category 1)
  Acute toxicity, Inhalation (Category 1)
  Eye irritation (Category 2B)
  Acute aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements
Pictogram: none
Signal word: none
Hazard statement(s): none
Precautionary statement(s):
  P260  Do not breathe dust/fume/gas/mist/vapors/spray.
  P264  Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.

HMIS Classification
Health hazard: 4
Chronic health hazard: *
Flammability: 1
Physical hazards: 0

NFPA Rating
Health Hazard: 4
Fire: 1
Reactivity Hazard: 0

Potential Health Effects
Inhalation: May be fatal if inhaled. May cause respiratory tract irritation.
Skin: May be fatal if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be fatal if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>EC-No.</th>
<th>Molecular Weight</th>
<th>Chemical Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic anhydride</td>
<td>108-24-7</td>
<td>203-564-8</td>
<td>102.09</td>
<td>C₄H₆O₃</td>
</tr>
<tr>
<td>Triethylamine</td>
<td>121-44-8</td>
<td>204-469-4</td>
<td>101.19</td>
<td>C₆H₁₅N</td>
</tr>
<tr>
<td>Thimerosal</td>
<td>54-64-8</td>
<td>200-210-4</td>
<td>404.81</td>
<td>2-(C₂H₅HgS)C₆H₄CO₂Na</td>
</tr>
</tbody>
</table>

SECTION 4: 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: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
If swallowed: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Acetic anhydride & Triethylamine:
Condition of flammability: Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.
Hazardous combustion products: Hazardous combustion products formed under fire conditions— no data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear respiratory protection. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition (no smoking). Take measures to prevent the buildup of electrostatic charge.
Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Acetic anhydride:

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic anhydride</td>
<td>108-24-7</td>
<td>TWA</td>
<td>5 ppm</td>
<td>USA. ACGIH Threshold Limit Values (TLV)</td>
</tr>
</tbody>
</table>

Remarks: Eyes & upper respiratory tract irritation. Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC)

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylamine</td>
<td>121-44-8</td>
<td>TWA</td>
<td>1 ppm</td>
<td>USA. ACGIH Threshold Limit Values (TLV)</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>C</td>
<td>0.1 ppm</td>
<td>USA. OSHA-TABLE Z-1 Limits for Air Contaminants – 1910.1000</td>
</tr>
</tbody>
</table>

Remarks: Skin notation

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C</td>
<td></td>
<td>0.1 ppm</td>
<td>USA. NIOSH Recommended Exposure Limits</td>
</tr>
</tbody>
</table>

Potential for dermal absorption

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C</td>
<td></td>
<td>0.3 mg/m³</td>
<td>USA. NIOSH Recommended Exposure Limits</td>
</tr>
</tbody>
</table>

Potential for dermal absorption

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C</td>
<td></td>
<td>0.11 ppm</td>
<td>USA. ACGIH Threshold Limit Values (TLV)</td>
</tr>
</tbody>
</table>

Lung damage. Cardiac impairment. Not classifiable as a human carcinogen.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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.

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

Skin and body protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Acetic anhydride</th>
<th>Triethylamine</th>
<th>Sodium azide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
<td>Clear liquid</td>
<td>White solid</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
<td>12.7 at 100 g/l at 15 °C (59 °F)</td>
<td>10 at 65 g/l at 25°C (77 °F)</td>
</tr>
</tbody>
</table>
SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Acetic anhydride</th>
<th>Triethylamine</th>
<th>Sodium azide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable under recommended storage conditions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Heat, flames, sparks, water</td>
<td>Heat, flames, sparks, direct sunlight</td>
<td>No data available</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>Acids, alcohols, bases, oxidizing agents, reducing agents, powdered metals</td>
<td>Strong oxidizing agents</td>
<td>Halogenated hydrocarbon, metals, acids, acid chlorides</td>
</tr>
<tr>
<td>Hazardous decomposition</td>
<td>Carbon oxides</td>
<td>Carbon oxides, nitrogen oxides</td>
<td>Sodium oxides</td>
</tr>
</tbody>
</table>

SECTION 11: TOXICOLOGICAL INFORMATION

**Acetic anhydride:**
- **Acute toxicity:** LD50 Oral – rat – 1,780 mg/kg
- LC50 Inhalation – rat – 4 h – 4,200 mg/m³
- LD50 Dermal – rabbit – 4,320 mg/kg

**Skin corrosion/irritation:** Skin – rabbit – mild skin irritation

**Serious eye damage/eye irritation:** Eyes – rabbit – severe eye irritation

**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.
- 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 data available

**Teratogenicity:** no data available

**Specific target organ toxicity – single exposure (GHS):** no data available

**Specific target organ toxicity – repeated exposure (GHS):** no data available

**Potential Health Effects**
- **Inhalation:** Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
- **Skin:** Harmful if absorbed through skin. Causes skin burns.
- **Eyes:** Causes eye burns.
- **Ingestion:** Harmful if swallowed.

**Signs and Symptoms of Exposure:** Exposure may cause burning sensation, cough, wheezing, laryngitis, shortness of breath, spasm, inflammation and edema of the larynx, spasms, inflammation and edema of the bronchi, pneumonitis, pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

**Additional information:** RTECS: AK1925000

**Triethylamine:**
- **Acute toxicity:** LD50 Oral – rat – 730 mg/kg
- LC50 Inhalation – rat – 4 h – 7.2 mg/l
- LD50 Dermal – rabbit – 580 mg/kg

**Skin corrosion/irritation:** Skin – rabbit – extremely corrosive and destructive to tissue

**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.
- 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 data available

**Teratogenicity:** no data available
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Aspiration hazard: no data available

Potential Health Effects

Inhalation: Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Skin: Toxic if absorbed through skin. Causes skin burns.
Eyes: Causes severe eye burns.
Ingestion: Harmful if swallowed.

Signs and Symptoms of Exposure: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Exposure may cause spasm, inflammation and edema of larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

Additional information: RTECS: YE0175000

Sodium azide:
Acute toxicity: LC50 Inhalation – rat – 37 mg/m³ → Remarks: Sense Organs and Special Senses: Eye: Other. Behavioral: Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration: Structural or function change in trachea or bronchi.
LD50 Dermal – rabbit – 20 mg/kg
Irritation and corrosion: no data available
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.
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 data available

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be fatal if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be fatal if swallowed.

Additional information: RTECS: MA8050000

SECTION 12: ECOLOGICAL INFORMATION

Acetic anhydride:
Persistence and degradability: no data available
Toxicity: Toxicity to fish: LC50 – Leuciscus idus melanotus – 265 mg/l – 48 h
Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia – 55 mg/l – 96 h
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: no data available

Triethylamine:
Persistence and degradability: no data available
Toxicity: Toxicity to fish: LC50 – Pimephales promelas (fathead minnow) – 43.7 mg/l – 96 h
LC50 – Oncorhynthus mykiss (rainbow trout) – 126-150 mg/l – 60 d
LOEC – Danio rerio (Zebra fish) – 320 mg/l – 7 d
Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia magna (Water flea) – 200 mg/l – 48 h
Toxicity to bacteria: LC50 – Bacteria – 95 mg/l – 17 h
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Sodium azide:
Persistence and degradability: no data available
Toxicity: Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia pulex (Water flea) – 4.2 mg/l – 48 h
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS
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Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as some components in this kit are highly flammable.

Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

Acetic anhydride:
DOT (US): UN-number: 1715, Class: 8 (3), Packing group: II; Proper shipping name: Acetic anhydride; Reportable Quantity (RQ): 5000 lbs.; Marine pollutant: No; Poison inhalation hazard: No
IMDG: UN-number: 1715, Class: 8 (3), Packing group: II; EMS-No: F-E, S-C; Proper shipping name: ACETIC ANHYDRIDE; Marine pollutant: No
IATA: UN-number: 1715, Class: 8 (3), Packing group: II; Proper shipping name: Acetic anhydride

Triethylamine:
DOT (US): UN-number: 1296, Class: 3 (8), Packing group: II; Proper shipping name: Triethylamine; Reportable Quantity (RQ): 5000 lbs.; Marine pollutant: No; Poison inhalation hazard: No
IMDG: UN-number: 1296, Class: 3 (8), Packing group: II; EMS-No: F-E, S-C; Proper shipping name: TRIETHYLAMINE; Marine pollutant: No
IATA: UN-number: 1296, Class: 3 (8), Packing group: II; Proper shipping name: Triethylamine

Sodium azide:
DOT (US): UN-number: 1687, Class: 6.1, Packing group: II; Proper shipping name: Sodium azide; Reportable Quantity (RQ): 1000 lbs.; Marine pollutant: Yes; Poison inhalation hazard: No
IMDG: UN-number: 1687, Class: 6.1, Packing group: II; EMS-No: F-A, S-A; Proper shipping name: SODIUM AZIDE; Marine pollutant: Yes
IATA: UN-number: 1687, Class: 6.1, Packing group: II; Proper shipping name: Sodium azide

SECTION 15: REGULATORY INFORMATION

OSHA Hazards:
Acetic anhydride: Combustible liquid, Toxic by inhalation, Harmful by ingestion, Corrosive
Triethylamine: Flammable liquid, Target organ effect, Toxic by skin absorption, Toxic if inhaled, Harmful by ingestion, Corrosive
Sodium azide: Target organ effect, Highly toxic by ingestion, Highly toxic by skin absorption

SARA 302 Components:
The following components are subject to reporting levels established by SARA Title III, Section 302:
Sodium azide, CAS-No. 26628-22-8; Revision Date: 2007-07-01
Sara 313 Components:
The following components are subject to reporting levels established by SARA Title III, Section 313:
Triethylamine, CAS-No. 121-44-8; Revision Date: 2007-07-01
Sodium azide, CAS-No. 26628-22-8; Revision Date: 2007-07-01

SARA 311/312 Hazards:
Acetic anhydride: Fire Hazard, Acute Health Hazard
Triethylamine: Fire Hazard, Acute Health Hazard, Chronic Health Hazard
Sodium azide: Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components:
Acetic anhydride, CAS-No. 108-24-7; Revision Date: 2007-03-01
Triethylamine, CAS-No. 121-44-8; Revision Date: 2007-07-01
Sodium azide, CAS-No. 26628-22-8; Revision Date: 2007-07-01

Pennsylvania Right To Know Components:
Acetic anhydride, CAS-No. 108-24-7; Revision Date: 2007-03-01
Triethylamine, CAS-No. 121-44-8; Revision Date: 2007-07-01
Sodium azide, CAS-No. 26628-22-8; Revision Date: 2007-07-01

New Jersey Right To Know Components:
Acetic anhydride, CAS-No. 108-24-7; Revision Date: 2007-03-01
Triethylamine, CAS-No. 121-44-8; Revision Date: 2007-07-01
Sodium azide, CAS-No. 26628-22-8; Revision Date: 2007-07-01

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.

EU regulations

<table>
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<tr>
<th>Component</th>
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<td>S26, S36/37/39, S45</td>
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<td>Triethylamine</td>
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<td>Sodium azide</td>
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</tbody>
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SECTION 16: OTHER 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. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.