

SAFETY DATA SHEET

1. Identification

1.1. Product Name	Pacific Blue™ Annexin V Apoptosis Detection Kit with PI
Catalog No.	3804640
Recommended Use	Research use only.
1.2. Supplier Address Telephone, fax, email	SONY BIOTECHNOLOGY INC. 1730 North First Street, San Jose, CA 95112 U.S.A. Voice: +1 800-275-5963, FAX: +1 408-352-4130, SBTcustomerservice@sonybiotechnology.com
1.3. Emergency telephone number	In case of a chemical emergency, spill, fire, or exposure, US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)

2. Hazards Identification

2.1. Hazard Classification	Not classified
2.2. GHS Label elements, including precautionary statements	
Pictogram	None
Signal Word	None
Hazard Statement	None
Precautionary Statement	None

3. Composition/Information on Ingredients

Component	CAS	EINECS	EU Index	Concentration
Propidium Iodide	25535-16-4	N/A	N/A	<0.1%
Sodium Azide	26628-22-8	247-852-1	011-004-00-7	0.09%

4. First Aid Measures

4.1. Description of necessary first aid measures

General information	Symptoms of poisoning may even occur after several hours; therefore provide medical observation for at least 48 hours after the accident.
After inhalation	Move to fresh air. If breathing is difficult/has stopped, give artificial respiration using respiratory protection. Do not use mouth-to-mouth method of resuscitation. Seek medical attention.
After skin contact	Immediately remove contaminated clothes, and wash with soap and copious amounts of water. Seek immediate medical attention.
After eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Seek medical attention.
After swallowing	Wash mouth out with water if person is conscious. DO NOT induce vomiting. Drink copious amounts of water, milk, or milk magnesia if conscious. Seek medical attention.
Symptoms	Contact may cause skin irritation. Contact may cause eye irritation.

5. Fire-Fighting Measures

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| 5.1. Suitable extinguishing agents | CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| 5.2. Special hazards caused by the material, its products of combustion or resulting gases | During heating or in case of fire, poisonous gases may be produced. |
| 5.3. Special protective equipment and precautions for fire-fighters | Wear protective clothing and self-contained breathing apparatus. |
| 5.4. Hazardous combustion materials | No data available. |

6. Accidental Release Measures

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| 6.1. Personal precautions, protective equipment and emergency procedures | Not required |
| 6.2. Environmental precautions | Prevent entry into waterways, drains, soil, and sewers. Use suitable absorbent material. |
| 6.3. Measures for cleaning/collecting | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Do not allow to enter any water system. |
| 6.4. Additional information | See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information. |

7. Handling and Storage

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| 7.1. Information for safe handling | No special measures required. |
| 7.2. Conditions for safe storage, including any incompatibilities | Do not store together with oxidizing and acidic materials as well as heavy-metal compounds. |

8. Exposure Controls / Personal Protection

8.1. Exposure limits

Sodium Azide Cal/OSHA PEL	Ceiling -0.1 ppm, 0.3 mg/m ³
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ACGIH TLV	Ceiling -0.29 mg/m ³
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NIOSH REL	Ceiling - 0.3 mg/m ³
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8.2. Exposure controls

Engineering Controls	Use only with adequate (local exhaust) ventilation or fume hood.
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8.3. Personal protective equipment

General protective and hygienic measures	Keep away from foodstuffs, beverages, and feed. Wash hands, face, and exposed forearms/areas after handling. Wash contaminated clothing before reusing. Ensure eyewash stations and safety showers are in close proximity to workstation.
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Breathing equipment	No required.
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Hand protection	Chemical resistant gloves.
Eye protection	Safety goggles.
Body protection	Protective work clothing (lab coat).

9. Physical and Chemical Properties

Appearance	Liquid, Colored, clear
Odor	Odorless
Odor threshold	Not available.
pH	7.0-7.2
Melting point/freezing point	No Data Available
Boiling point	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability	No Data Available
Upper explosion limit	No Data Available
Lower explosion limit	No Data Available
Vapor pressure	No Data Available
Vapor density	No Data Available
Relative density	No Data Available
Solubility	Soluble
Partition coefficient	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive Properties	No Data Available
Oxidizing Properties	No Data Available

10. Stability and Reactivity

10.1. Reactivity	No data available
10.2. Chemical stability	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3. Possibility of hazardous reactions	No data available
10.4. Conditions to avoid	No data available
10.5. Incompatible materials	Acidic materials and metals.
10.6. Hazardous decomposition products	Nitrogen Oxides (NOx)
10.7. Additional information	Sodium azide is present in this product. Contact with acidic solutions and metal compounds over time may form potentially explosive metal azides. Should any of this material be introduced into a sanitary sewer system, flush with copious amounts of water.

11. Toxicological Information

11.1. Information on toxicological effects

Routes of Entry	Ingestion, inhalation, skin and eye contact.
Acute Toxicity	Oral LD50 (Sodium Azide) 27 mg/kg (rat)
Skin Corrosion/Irritation	Contact may cause skin irritation
Serious eye damage/irritation	Contact may cause eye irritation

Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	Kidneys and central nervous system
Aspiration hazard	No data available

12. Ecological Information

Environmental Toxicity	No Data Available
Aquatic Toxicity	No Data Available
Persistence and degradability	No Data Available
Bioaccumulative potential	No Data Available
Mobility in soil	Water soluble
Results of PBT and vPvT assessment	No Data Available

13. Disposal Considerations

Disposal methods	Minimize waste as much as possible. Disposal must be made according to state and federal regulations.
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14. Transport Information

DOT (Ground)	Not regulated
IMDG	Not regulated
IATA	Not regulated
ADR	Not regulated
ADN	Not regulated
RID	Not regulated

15. Regulatory Information

15.1. Product related hazard information	The product has been classified and marked in accordance with regulations on hazardous materials.
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16. Other Information

16.1. Revision Date: June 3rd, 2014

This SDS was created in good faith based on our current knowledge at the time of creation and revision, but no warranty is made on the information, hazards, and toxicity data described. Prior to use, be sure to examine the latest information, rules, laws, and regulations of your country or region concerning hazards and harmful effects as well as regarding equipment to be used, and accord the highest priority to them.

The precautions described in this document assume normal handling of the product. When handling the product in an unconventional manner, be sure to take appropriate safety measures according to the situation and take sufficient precautions.

All chemical products should be handled assuming the presence of "unknown hazards and harmful effects" and with the knowledge that such hazards will vary greatly depending on the usage environment, handling method, and conditions and period of storage. All handling of the product, including use, unpacking, storage, and disposal, should be performed only by specialists with professional knowledge and experience or under close supervision of such qualified specialists. It is the sole responsibility of the user to ensure and provide proper safe use conditions.

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