# SONY

7-AAD Viability Staining Solution Date issued: January 20, 2017

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# SAFETY DATA SHEET

Product code         2702015           Other means of identification         Not available.           Product type         Liquid.           Product type         Research.           Area of application         Industrial applications.           13.         Supplier Addrss of person         SONY BIOTECHNOLOGY INC. TY30 North First Street, San Jose CA 95112 U.S.A. Voice: +1 800-275-5963, FAX: + 408-352-4130, SBTCustomerservice@sonybiotechnology.com           14.         e-mail address of person responsible for this SDS         SBTCustomerservice@sonybiotechnology.com           15.         Emergency telephone number         US: +1 800-275-5963, FAX: + 408-352-4130, SBTCustomerservice@sonybiotechnology.com           16.         e-mail address of person responsible for this SDS         SBTCustomerservice@sonybiotechnology.com           17.         Hazard Stelentification         US: +1 800-275-5963, FAX: + 408-352-4130, SBTCustomerservice@sonybiotechnology.com           17.         Hazard Stelentification         US: +1 800-275-5963, FAX: + 408-352-4130, SBTCustomerservice@sonybiotechnology.com           17.         Bergency telephone number         US: +1 800-275-5963, FAX: + 408-352-4130, SBTCustomerservice@sonybiotechnology.com           17.         Hazard Stelentification         US: +1 800-275-5963, FAX: + 100-200, This SDS contains valuable information critical to the safe handing and proper use of the product. This SDS should be retained and available for minture	1.	Identification			
Action     Not available.       Poduct type     Liquid.       Poduct type     Liquid.       Poduct use     Research.       Product use     Research.       Area of application     Industrial applications.       Area of application     SONY BIOTECHNOLOGY INC.       Address of person     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     SONY BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     Sony BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     Sony BIOTECHNOLOGY INC.       Yote: +1 800-275-5963, FAX: +1 408-352-4130,     Sony BIOTECHNOLOGY INC.       Yota: +1 800-275-5963, FAX: +1 408-352-4130,     Sony BIOTECHNOLOGY INC.       Yota: +1 800-275-5963, FAX: +1 408-	1.1.	GHS product identifier	7-AAD Viability Staining Solution		
Product type         Liquid.           Product type         Liquid.           Product type         Liquid.           Relevant identified uses of the substat		Product code	2702015		
12.       Relevant identified uses of the substance or mixture and uses advised against         12.       Poduct use       Research.         13.       Area of application       Industrial applications.         13.       Supplier Address of person       SONY BIOTECHNOLOGY INC. 1730 North First Street, San Jose, CA 95112 U.S.A. Voice: +1 800-275-5963, FAX: +1 408-352-4130, Address of person         14.       e-mail address of person       SBTcustomerservice@sonybiotechnology.com         15.       Emergency telephone number       US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)         17.       Patards Identification       US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)         17.       Emergency telephone number       US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)         17.       Patards Identification       US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)         17.       Emergency telephone number       US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)         17.       Casification of the substance or mixture and uber uses of this product. This SDS should be retained and available for mixture         17.       Ostalitatements       Not classified.         17.       Japal word       No signal word.         18.       Recautionary statements       Not applicable.         19.       Prevention       Not applicable.         19.       Stards not otherwise		Other means of identification	Not available.		
Product use         Research.           Area of application         Industrial applications.           13.         Supplier Address relephone, fax, email         SONY BIOTECHNOLOGY INC. Address relephone, fax, email         SONY BIOTECHNOLOGY INC. Address           14.         e-mail address of person responsible for this SDS         SBTcustomerservice@sonybiotechnology.com           15.         Emergency telephone number         US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)           16.         Emergency telephone number         US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)           17.         Hazards Identification         US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)           17.         BARAR Identification         US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)           17.         NSHA/HCS status         While this material is not considered hazardous by the OSHA Hazard Communication Standard (20 CFR 1910/1200), this SDS contains valuable information critical on standard (20 CFR 1910/1200), this SDS contains valuable information critical on standard (20 CFR 1910/1200), this SDS contains valuable information critical hazards           13.         GHSL Label elements         No known significant effects or critical hazards           14.         Prevention         Not applicable.           15.         Forage         Not applicable.           16.         Response         Not applicable.           17.         Jospaal		Product type	Liquid.		
Area of application       Industrial applications.         Area of application       Industrial applications.         Address       SONY BIOTECHNOLOGY INC.         Address       Address         Address       SONY BIOTECHNOLOGY INC.         Industrial address of person       SBTcustomerservice@sonybiotechnology.com         resonsible for this SDS       SBTcustomerservice@sonybiotechnology.com         Ita       Emergency telephone number       US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         Ita       Bacards Identification       US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         Ita       Sony Alphanding and proper use of the product. This SDS should be retained and available for manino critical to the safe paradity and proper use of the product. This SDS should be retained and available for manilogy.com         21.       OsSHA/HCS status       Not classified.         22.       Gasification of the substance or mixiure       Not applicable.         23.       Hazard statements       No konvon significant effects or critical hazards.         24.       Precautionary statements	1.2.	Relevant identified uses of the substar	nce or mixture and uses advised against		
3. Supplier Address Telephone, fax, email         SONY BIOTECHNOLOGY INC. TY30 NOTH First Street, San Jose, CA 95112 U.S.A. Voice: +1 800-275-5963, FAX: +1 408-352-4130, SBT customerservice@sonybiotechnology.com           4. e-mail address of person responsible for this SDS         SBT customerservice@sonybiotechnology.com           5. Emergency telephone number         US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)           7. Hazards Identification         While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for mixture           2. OSHA/HCS status         While this material is not considered hazardous by the OSHA Hazard Communication standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for mixture           2. OSHA/HCS status         Not classified.           3. GHS Label elements         Not signal word.           4. Hazard statements         No known significant effects or critical hazards.           4. Precutionary statements         Not applicable.           4. Precutionary statements         Not applicable.           5. Bazards not otherwise classified         None known.           6. Storage         Not applicable.           6. Storage         None known.           6. Storage         None known. </td <td></td> <td>Product use</td> <td>Research.</td>		Product use	Research.		
Address       Talephone, fax, email       Talephone, fax, voice: +1 800-275-5963, FAX: +1 408-352-4130, SBT customerservice@sonybiotechnology.com         14.       e-mail address of person responsible for this SDS       SBT customerservice@sonybiotechnology.com         15.       Emergency telephone number       US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         27.       Hazards Identification       US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         28.       Hazards Identification       Voice: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         29.       Hazards Identification       Voice: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         20.       Hazards Identification       Voice: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         21.       OSHA/HCS status       While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910)1200), this SDS contains valuable information critical to the safe handing and proper use of the product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for this ADS and the retained and available for employees and other users of this product. This SDS should be retained and a		Area of application	Industrial applications.		
responsible for this SDS       SBTcustomerservice@sonybiotechnology.com         1.5       Emergency telephone number       US: +1 800-275-5963 (6:00AM - 5:30PM PT, M-F)         2.       Hazards Identification       Value Identification         2.1       SSHA/HCS status       While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be retained and available for mixtor critical to the safe handling and proper use of the product. This SDS should be r	1.3.	Address Telephone, fax,	1730 North First Street, San Jose, CA 95112 U.S.A. Voice: +1 800-275-5963, FAX: +1 408-352-4130,		
2. Hazards Identification         2.1 SHA/HCS status       While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS scontains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.         2.2 Classification of the substance or mixture       Not classified.         3.3 GHS Label elements       Not classified.         4.4 Label elements       No known significant effects or critical hazards.         4.5 Ippose       Not applicable.         5.6 Instructionary statements       Not applicable.         6 Prevention       Not applicable.         6 Ippose       Not applicable.         7 Ippose       Not applicable.         7 Ippose       Not applicable.         8 Ippose       Not applicable.         9 Ippose       Not applicable.         9 Ippose       Not applicable.         10 Ippose       Not applicable.     <	1.4.	•	SBTcustomerservice@sonybiotechnology.com		
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2.1.       SHA/HCS status       Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product. This SDS should be retained and available for employees and other users of this product.         233       GISL Label elements       No known.         244       Forposition/Information elements       No known.         245       Hards not otherwise classified       No known.         246       Forposition/Information elements       Note product.	2.	Hazards Identification			
mixture       mixture         imixture       GHS Label elements         Signal word       No signal word.         Hazard statements       No known significant effects or critical hazards.         Precentionary statements       Not applicable.         Response       Not applicable.         Joiposal       Not applicable.         Joiposal       Not applicable.         Aradrs not otherwise classified       None known.         Substance/mixture       Mixture	2.1.	OSHA/HCS status	Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for		
Signal word       No signal word.         Hazard statements       No known significant effects or critical hazards.         2.4.       Precautionary statements         Prevention       Not applicable.         Response       Not applicable.         Storage       Not applicable.         Disposal       Not applicable.         Attack not otherwise classified       Not applicable.         Storage       Not applicable.         Storage       Not applicable.         Disposal       Not applicable.         Storage       Note known.         Storage       Note known.         Storage       Note known.	2.2.		Not classified.		
Hazard statements       No known significant effects or critical hazards.         Prevention       No applicable.         Response       Not applicable.         Storage       Not applicable.         Disposal       Not applicable.         Azards not otherwise classified       None known.         Storage       None known.         Storage       Note known.	2.3.	GHS Label elements			
2.4       Precautionary statements         2.4       Prevention         Prevention       Not applicable.         Response       Not applicable.         Storage       Not applicable.         Disposal       Not applicable.         2.5       Hazards not otherwise classified         None known.       None known.         3.1       Substance/mixture		Signal word	No signal word.		
Prevention       Not applicable.         Response       Not applicable.         Storage       Not applicable.         Disposal       Not applicable.         Attards not otherwise classified       Not applicable.         Storage       Not applicable.         Attards not otherwise classified       Not applicable.         Storage       Not applicable.		Hazard statements	No known significant effects or critical hazards.		
Response       Not applicable.         Storage       Not applicable.         Disposal       Not applicable.         2.5       Hazards not otherwise classified       None known.         3.1       Substance/mixture       Mixture	2.4.	Precautionary statements			
Storage       Not applicable.         Disposal       Not applicable.         2.5       Hazards not otherwise classified       None known.         3.1       Substance/mixture       Mixture		Prevention	Not applicable.		
Disposal       Not applicable.         2.5.       Hazards not otherwise classified       None known.         Gomposition/Information on Ingredients       None known.         3.1.       Substance/mixture       Mixture		Response	Not applicable.		
2.5. Hazards not otherwise classified     None known.       3.1. Substance/mixture     Mixture		Storage	Not applicable.		
3.     Composition/Information on Ingredients       3.1.     Substance/mixture		Disposal	Not applicable.		
3.1. Substance/mixture Mixture	2.5.	Hazards not otherwise classified	None known.		
	3.	Composition/Information on Ing	redients		
3.2. Other means of identification     Not available.	3.1.	Substance/mixture	Mixture		
	2.2	Other means of identification	Not available.		

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

products

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#### 4. First Aid Measures

4.1. Description of necessary first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

	···· [·····, [·····,	
	Potential acute health effects	
	Eye contact	No known significant effects or critical hazards.
	Inhalation	No known significant effects or critical hazards
	Skin contact	No known significant effects or critical hazards.
	Ingestion	No known significant effects or critical hazards.
	Over-exposure signs/symptoms	
	Eye contact	No specific data.
	Inhalation	No specific data.
	Skin contact	No specific data.
	Ingestion	No specific data.
	Indication of immediate medical attent	ion and special treatment needed, if necessary
	Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Specific treatments	No specific treatment.
	Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.
	See toxicological information (Section 1	11)
5.	Fire-Fighting Measures	
5.1.	Extinguishing media	
	Suitable extinguishing media Unsuitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire. Do not use water jet.
5.2.	Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.
5.3.	Hazardous thermal decomposition	No specific data.

No specific data.

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5.4. Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
5.5. Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
6. Accidental Release Measures	
6.1. Personal precautions, protective equip	ment and emergency procedures
For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate per- sonal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any informa- tion in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.2. Methods and materials for containmer	nt and cleaning up
Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry ma- terial and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
7. Handling and Storage	
7.1. Precautions for safe handling	
Protective measures	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hy- giene measures.
7.2. Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
8. Exposure Controls / Personal Pro	otection

8.1. Control parameters

Occupational exposure limits None.

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Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
8.2. Individual protection measures	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated cloth- ing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, un- less the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
9. Physical and Chemical Propertie	25
Appearance	

Appearance Physical state Color Odor Odor threshold pH Melting point Boiling point Flash point Evaporation rate Flammability (solid, gas) Lower and upper explosive	Liquid. [Clear.] Colorless. Not available. Not available. 7.2 Not available. Not available. Not available. Not available. Not available. Not available.
(flammable) limits	
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Density	Not available.
Solubility	Not available.
Solubility in water	Not available.
Partition coefficient: n-	Not available.
octanol/water	

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Auto-ignition temperature Decomposition temperature	Not available. Not available.		
SADT Viscosity Flow time (ISO 2431)	Not available. Not available. Not available.		
10. Stability and Reactivity			
10.1. Reactivity	No specific test data related to reactivity available for this product or its ingredients.		
10.2. Chemical stability	The product is stable.		
10.3. Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.		
10.4. Conditions to avoid	No specific data.		
10.5. Incompatible materials	No specific data.		
10.6. Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.		
11. Toxicological Information			
11.1. Information on toxicological effects			
Acute toxicity	Not available.		
Irritation/Corrosion	Not available.		
Sensitization	Not available.		
Mutagenicity Conclusion/Summary	Not available.		
Carcinogenicity Conclusion/Summary	Not available.		
Reproductive toxicity Conclusion/Summary	Not available.		
Teratogenicity Conclusion/Summary	Not available.		
Specific target organ toxicity (single exposure)	Not available.		
Specific target organ toxicity (repeated exposure)	Not available.		
Aspiration hazard	Not available.		
Information on the likely routes of exposure	Not available.		
Potential acute health effects			
Eye contact	No known significant effects or critical hazards.		
Inhalation	No known significant effects or critical hazards.		
Skin contact	No known significant effects or critical hazards.		
Ingestion	No known significant effects or critical hazards.		

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#### 11.2. Symptoms related to the physical, chemical and toxicological characteristics Eye contact No specific data. Inhalation No specific data. Skin contact No specific data. Ingestion No specific data.. 11.3. Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure Potential immediate effects Not available. Potential delayed effects Not available Long term exposure Not available. Potential immediate effects Potential delayed effects Not available. Potential chronic health effects Not available. General No known significant effects or critical hazards. Carcinogenicity No known significant effects or critical hazards. Mutagenicity No known significant effects or critical hazards. Teratogenicity No known significant effects or critical hazards. Developmental effects No known significant effects or critical hazards. Fertility effects No known significant effects or critical hazards. 11.4. Numerical measures of toxicity Acute toxicity estimates Not available. 12. Ecological Information 12.1. Toxicity Not available. 12.2. Persistence and degradability Not available. 12.3. Bioaccumulative potential Not available. 12.4. Mobility in soil Not available. Soil/water partition coefficient (Koc) 12.5. Other adverse effects No known significant effects or critical hazards. 13. Disposal Considerations The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-**Disposal methods** recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material

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Disposal methods		and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil,waterways, drains and sewers.			
14. Transport Information	n				
	DOT Class	ification	IMDG	IATA	
UN number	Not regula	ated.	Not regulated.	Not regulated.	
UN proper shipping name	_		-	-	
Transport hazard class(es)	-		-	-	
Packing group	_		-	-	
Environmental hazards	No.		No.	No.	
Additional information	-		-	-	
14.1. Special precautions for user		Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.			

14.2. Transport in bulk according to Annex II  $\,$  Not available. of MARPOL and the IBC Code

#### 15. Regulatory Information

SARA 302/304

Composition/information on ingredients

			SARA 302 TPQ		SARA 304 RQ		
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)	
sodium azide	≤0.1	Yes.	500	-	1000.	-	
SARA 304 RQ		1111	111.1 lbs / 504444.4	kg			
SARA 311/312 Classification			Not applicable.				
Composition/i ingredients	Composition/information on ingredients		No products were found.				
SARA 313		No	applicable.				
15.2. State Regulati	ons						
Massachusett: New York New Jersey Pennsylvania California Prop	-	No No No	ne of the componen ne of the componen ne of the componen ne of the componen ne of the componen	ts are listed. ts are listed. ts are listed.			

7-AAD Viability Staining Solution

#### 15.3. International regulations

	Chemical Weapon Convention List Schedules I, II & III Chemicals	Not listed.
	Montreal Protocol (Annexes A, B, C, E)	Not listed.
	Stockholm Convention on Persistent Organic Pollutants	Not listed.
	Rotterdam Convention on Prior In- formed Consent (PIC)	Not listed.
	UNECE Aarhus Protocol on POPs and	Not listed.
	Heavy Metals	
16.	Other Information	
	·	n (U.S.A.)
	Other Information	n (U.S.A.) O
	Other Information Hazardous Material Information System	
	Other Information Hazardous Material Information System Health	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

16.2. National Fire Protection Association (U.S.A.)

Health	0
Flammability	0
Instability/Reactivity	0

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

#### 16.3. Procedure used to derive the classification

Classification	Not classified.	
Justification		
16.4. History		
Date of issue/Date of revision	01/20/2017	
Date of previous issue	No previous validation	
Version	1	
Prepared by	Sphera Solutions	

Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	HCS (U.S.A.)- Hazard Communication Standard International transport regulations

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 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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