SONY

FluoroFix Buffer Date issued: May 6, 2013 Ref. No. A-EVA-100-02

Page 1 of 5

SAFETY DATA SHEET

4		
1.	Identification	
1.1.		FluoroFix Buffer
	Product code	2710505
1.2.	Recommended Use	Research use only
1.3.	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
1.4.	e-mail address of person responsible for this SDS	SBTcustomerservice@sonybiotechnology.com
1.5.	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	Eye Irritation, Category 2
2.2.	GHS Label elements, including precau	tionary statements
	Pictogram	
	Signal word	Warning
	Hazard statement	
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H351	Suspected of causing cancer.
	Precautionary statement	
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P262	Do not get in eyes, on skin, or on clothing.
	P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
	P271	Use in a well-ventilated area.

FluoroFix Buffer

Page 2 of 5

	Precautionary Statements (Response)	
	P302+P353	If on skin: Immediately wash skin with soap and copious amounts of water.
	P305+P351	If in eyes: Rinse eyes with water for at least 15 minutes.
	P304+P340	If inhaled: Move to fresh air.
	P301+P330	If swallowed: Rinse mouth.
	P308+P311	If exposed or concerned: Call a poison center or doctor/physician.
	Precautionary Statements (Disposal)	
	P501	Dispose of contents/container to hazardous or special waste collection point.
3.	Composition/Information on Ing	redients
3.1.	Component	Paraformaldehyde
	CAS	30525-89-4
	EINECS	unlisted
	Concentration	1%
4.	First Aid Measures	
4.1.	Description of first aid measures	
	After inhalation	Move to fresh air. If breathing is difficult seek medical attention.
	After skin contact	Wash with soap and copious amounts of water.
	After eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lift- ing the eye lids to ensure thorough rinsing. Seek medical attention.
	After swallowing	Wash mouth out with water if person is conscious. Seek medical attention.
	Symptoms	Contact may cause skin irritation. Contact may cause eye irritation.
5.	Fire-Fighting Measures	
5.1.	Suitable extinguishing agents	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	Combustible. Dangerous decomposition products include poisonous gases or- vapors; formaldehyde.
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	
6.1.	Personal precautions, protective equipment, and emergency procedures	Contact emergency personnel immediately. Evacuate and ventilate area. Use protec- tive clothing, gloves and equipment. Avoid formation of dust. Avoid inhalation or other contact. Keep unnecessary persons away.
6.2.	Environment precautions	Prevent entry into waterways, drains, soil, and sewers.
6.3.	Measures for cleaning/collecting	Absorb material with absorbent inert material, and dispose of in appropriate haz- ardous waste container.

FluoroFix Buffer

Page 3 of 5

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		
7.1.	Information for safe handling	Do not get on skin, in eyes, on clothing. Do not breathe dust/vapor. Wash thorougly after handling. Ensure area is adequately ventilated. Toxigenic and mutagenic. See section 8 for more information.	
7.2.	Conditions for safe storage, including any incompatibilities	Keep container tightly-sealed.	
8.	Exposure Controls / Personal Protection		
8.1.	Exposure Limits		
	Formaldehyde		
	California Proposition 65	Formaldehyde is a known carcinogen.	
	OSHA PEL	0.75 ppm over an 8-hour shift and 2 ppm during any 15-minute period.	
	NIOSH	REL is 0.016 ppm over an 8-hour shift and 2 ppm during any 15-minute period.	
	ACGIH	TLV is 0.3 ppm.	
	IARC	Group 1 carcinogen.	
	NTP	Suspected carcinogen.	
8.2.	Exposure Controls		
	Engineering Controls	Use only with adequate (local exhaust) ventilation.	
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.	
	Breathing equipment	May use self-contained breathing apparatus; NIOSH/MSHA-approved respirator.	
	Hand protection	Chemical resistant gloves.	
	Eye protection	Face shield (recommended) and safety goggles.	
	Body protection	Protective work clothing.	
9.	Physical and Chemical Properties	5	
	Appearance Odor Odor threshold	Liquid, Colorless, clear Pungent, fruity No Data Available	

No Data Available рΗ Melting point/freezing point Boiling point Flash point No Data Available No Data Available 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

FluoroFix Buffer

Page 4 of 5

Relative density Solubility Partition coefficient Auto-ignition temperature Decomposition temperature Viscosity Explosive Properties Oxidizing Properties	No Data Available Soluble No Data Available No Data Available No Data Available No Data Available No Data Available No Data Available
10. Stability and Reactivity	
10.1. Reactivity	No data available
10.2. Chemical stability	Stable when stored under normal ambient and anticipated storage and handling condi- tions of temperature and pressure.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	Avoid excessive heat.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	Dangerous decomposition products include poisonous gases or vapors; formaldehyde.
11. Toxicological Information	
11.1. Information on toxicological effects	
Routes of Entry	Ingestion, inhalation, skin and eye contact.
Acute Toxicity	Oral LD50 800 mg/kg (rat)
Skin Corrosion/Irritation	Irritant
Serious eye damage/irritation	Irritant
Respiratory or skin sensitization	Irritant
Germ cell mutagenicity	Mutagenic effects possible from formaldehyde, the decomposition product of para formaldehyde.
Carcinogenicity	Paraformaldehyde is a suspected carcinogen.
Reproductive toxicity	Reproductive effects possible from paraformaldehyde, the decomposition products of paraformaldehyde.
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
12. Ecological Information	
12.1. Environmental Toxicity	No Data Available.
12.2. Aquatic Toxicity	In large volumes, may be harmful to aquatic life.
12.3. Persistence and degradabilityl	No Data Available
12.4. Bioaccumulative potential	No data available
12.5. Mobility in soil	Water soluble
12.4. Results of PBT and vPvT assessment	No data available

FluoroFix Buffer

13. Disposal Considerations				
13.1. Disposal methods	Minimize waste as much as possible. Disposal must be made according to state and federal regulations.			
14. Transport Information				
DOT (Domestic)				
Proper shipping name	Other Regulated Substances, liquid, n.o.s. (formaldehyde, 1%)			
Hazard class	UN3334, Class 9, Packing group III			
Reportable quantity	1000 lbs			
Marine pollutant	No			
Poison inhalation hazard	No			
IMDG	Not regulated			
ΙΑΤΑ				
Proper shipping name	Other Regulated Substances, liquid, n.o.s. (formaldehyde, 1%)			
Hazard class	UN3334, Class 9, Packing group III			
15. Regulatory Information				
SARA Section 335 (extremely h	azardous substances): No hazards.			
SARA Section 313 (specific toxic	c chemical listing): No hazards.			
TSCA (Toxic Substances Contro	l Act): No hazards.			
Paraformaldehyde	Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.			
	CERCLA Reportable Quantity: 100 lbs			
16. Other Information				
Revision Date	May 6, 2013			
made on the information, haza	aith based on our current knowledge at the time of creation and revision, but no warranty is irds, and toxicity data described. Prior to use, be sure to examine the latest information, rules, ountry or region concerning hazards and harmful effects as well as regarding equipment to be riority to them.			
The proceptions described in th	The processions described in this desumant assume normal handling of the product. When handling the product in an			

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.

©2016 Sony Biotechnology Inc. All rights reserved. Sony, and the Sony logo, are trademarks of Sony Corporation All other trademarks are property of their respective owners. For non-clinical research use only. Not for use in diagnostic or therapeutic procedures, or for any other clinical purpose.

2.11.123015.1