

SAFETY DATA SHEET

1. Identification

1.1. Product Name	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 precautionary 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.
P264	Wash thoroughly after handling.

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.
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3. Composition/Information on Ingredients

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 lifting 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 protective 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 hazardous waste container.

- 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 thoroughly after handling. Ensure area is adequately ventilated. Toxicogenic 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.
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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.
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

Appearance	Liquid, Colorless, clear
Odor	Pungent, fruity
Odor threshold	No Data Available
pH	No Data Available
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

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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 when stored 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	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 degradability	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

