

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product details:	Aqueous buffered solution containing 4% paraformaldehyde. Paraformaldehyde CAS No: 30525-89-4.
Trade name:	eBioscience IC Fixation Buffer
Catalog Number:	00-8222
Chemical Family:	
Manufacturer/Supplier:	eBioscience, Inc. 10255 Science Center Drive San Diego, Ca 92121 888-999-1371

Section 2 - Composition / Information on Ingredients

Component	CAS#	EC#	% By Weight
Paraformaldehyde	30525-89-4		

Section 3 - Hazards Identification

<p>Hazard description: The toxicological properties of products have not been fully investigated. This product is harmful and potentially cancerous in contact with skin or ingested. Avoid inhalation of vapors. Always follow Good Laboratory and Industrial Hygiene Practices and wear proper personal protective equipment when handling chemicals..</p> <p>HAZARDOUS COMPONENTS: This product is an irritant and potential carcinogen.</p> <p>Classification system: The classification was made according to the latest editions of the international substances lists, and expanded upon from company and literature data.</p> <p>NFPA ratings (scale 0-4) Health = 0 Fire = 0 Reactivity = 0</p>
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Section 4 - First Aid Measures

Inhalation:	Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately.
Skin Contact:	Wash contact areas thoroughly with soap and water after handling. Seek medical attention if area remains irritated. Immediately remove contaminated clothing; contaminated clothing should not be worn until after it has been properly cleaned.
Eye Contact:	Irritant. Check for contact lenses and remove if present. Flush eyes with large volumes of water for at least 15 minutes. Seek medical attention if eyes remain red and/or irritated.
Ingestion:	Seek medical attention or call poison control center immediately.

Section 5 - Fire Fighting Measures

<p>Suitable extinguishing agents: Use media appropriate for site conditions..</p> <p>Protective equipment: No special measures required.</p> <p>Unusual Fire & Explosion Hazards: None known. Wear self-contained breathing apparatus and protective garments appropriate for site conditions.</p>

Section 6 - Accidental Release Measures

<p>Person-related safety precautions: Not required.</p> <p>Measures for environmental protection: Wipe up with damp sponge or mop.</p> <p>Measures for cleaning/collecting: No special measures required.</p> <p>Additional information: No dangerous substances are released..</p>

Section 7 - Handling and Storage

<p>Handling Information for safe handling: No special measures required. Information about protection against explosions and fires: No special measures required.</p> <p>Storage Temperature requirements to be met by storerooms and receptacles: 4 C Information about storage in one common storage facility: NA Further information about storage conditions: None</p>
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Section 8 - Exposure Control / Personal Protection

<p>Ventilation Data: Provide adequate local exhaust ventilation</p> <p>Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</p> <p>Additional information: The lists that were valid during the creation were used as basis.</p> <p>Respiratory Protection: None required if ventilation is adequate</p> <p>Personal Protective Equipment General Protective and Hygienic measures: The usual precautions measures for handling chemicals should be followed.</p> <p>Breathing equipment: In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.</p> <p>Protection of hands: Wear chemical resistant gloves.</p> <p>Eye protection: Safety glasses</p> <p>Body protection: Protective work clothing (lab coat).</p> <p>Other Protective Equipment: Eye protection, lab coat, apron or other protective clothing to minimize contact. Eyewash stations and deluge showers should be available.</p> <p>Work Practices: Observe appropriate laboratory hygiene practices. Avoid contact with skin or eyes. Wash any exposed body area thoroughly with soap and water after completion of activities involving product.</p>	
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Section 9 - Physical and Chemical Properties

General Information		
Physical State:	Liquid	
Color:	Clear	
Odor:	Aldehyde odor	
Change in condition: Melting point/melting range: Boiling point/boiling range:	Unknown	
Flash point:	Not applicable	
Auto igniting:	Product is not self igniting	
Danger of explosion:	Product does not present an explosion hazard.	
Vapor pressure: Density:	Unknown	
Solubility with water	Soluble	

Section 10 - Stability and Reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Materials to be avoided: No dangerous reactions known
Dangerous reactions: No dangerous reactions known
Dangerous products of decomposition: Dangerous decomposition products released as gas/vapor
Stability/Incompatibility: Stable. See enclosed data sheet for product-specific storage information.

Section 11 - Toxicological Information

Acute toxicity:
Primary irritant effect:
Skin: Wash contact areas thoroughly with soap and water after handling. Seek medical attention if area remains irritated. Immediately remove contaminated clothing; contaminated clothing should not be worn until after it has been properly cleaned
Eye Irritant. Check for contact lenses and remove if present. Flush eyes with large volumes of water for at least 15 minutes. Seek medical attention if eyes remain red and/or irritated.
Sensitization: No sensitizing effects known.
Ingestion: Seek medical attention or call poison control center immediately.
Inhalation: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately.
Additional toxicological information:
The product is not subject to OSHA classification according to internally approved calculation methods for preparations.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Section 12 - Ecological Information

Ecotoxicological effects:
Other information: The ecological effects have not been thoroughly investigated, but currently none have been identified.
General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Section 13 - Disposal Considerations

<p>Product: Recommendation Must adhere to state and federal regulations. Smaller quantities can be disposed of with solid waste. Disposal must be made according to the regulations found in 40 CFR 261. This product is not considered a RCRA hazardous waste.</p> <p>Uncleaned packagings: Recommendation: Disposal must be made according to state and federal regulations. Recommended cleansing agent: Water, if necessary with cleansing agents.</p>		
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Section 14 - Transport Information

<p>DOT regulations Hazard Class: Non hazardous for transport</p>		
<p>Land transport ADR/RID class: Non hazardous for transport</p>		
<p>Maritime transport IMDG Class: Marine pollutant: No</p>		
<p>Air transport ICAO/IATA Class: Non hazardous for air transport</p>		

Section 15 - Regulatory Information

<p>SARA Section 355 (extremely hazardous substances) None of the ingredients is listed.</p> <p>SARA Section 313 (specific toxic chemical listings) None of the ingredients is listed.</p> <p>TSCA (Toxic Substances Control Act) None of the ingredients is listed.</p> <p>California Proposition 65 – Chemicals known to cause cancer None of the ingredients is listed.</p> <p>California Proposition 65 – Chemicals known to cause reproductive toxicity None of the ingredients is listed.</p>		
<p>Carcinogenicity categories</p> <p>IARC (International Agency for Research on Cancer) None of the ingredients is listed.</p> <p>NTP (National Toxicology Program) None of the ingredients is listed.</p> <p>TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed.</p>		

Product related hazard information:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations pertaining to regulations on hazardous materials.

National regulations

Water hazard class: Generally not hazardous for water.

Section 16 - Other Information

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control: all risks of use of the product are therefore assured by the user.

Preparation Date: 08/10/2010