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| 1. Product and Company Identification
 |
| Product Name | Embalming Fluid |
| Synonyms | None |
| Recommended Use | Preserving Specimens |
| Company Identification | Bio Corporation3910 Minnesota Street SWAlexandria, MN 56308 |
| Telephone | Bio Corporation 1-800-222-9094CHEMTREC 1-800-424-9300 |

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| 1. Hazards Identification
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| GHS Classification | Eye irritation (category 2a), skin irritation (category 2), Acute toxicity (oral, dermal, inhalation) category 4, respiratory irritation (category 3), carcinogenicity (category 2) |
| Pictogram |    |
| Signal Word | Danger Warning |
| Hazard Statement(s) | Harmful if swallowed.Causes skin irritation.Causes eye irritation.May cause an allergic skin reaction.May cause respiratory irritation.Possible Carcinogen. |
| Precautionary Statement(s)   | Read all safety information before use.Wash skin thoroughly after handling.Do not eat, drink or smoke when using this product.Wear protective gloves/ protective clothing/ eye protection.IF SWALLOWED: Call a POISON CONTROL CENTERIF ON SKIN (or hair): Wash with soap and water then rinse thoroughly. If skin irritation or rash occurs get medical advice or attention.IF INHALED: If breathing becomes difficult remove person to fresh air and keep comfortable for breathing. If concerned get medical attention.IF IN EYES: Rinse cautiously with water for a minimum of 15 minutes. Remove contact lenses, if present and easy to do so. If concerned get medical advice/attention. Keep container tightly closed. Store in a cool, dry, well-ventilated place.Dispose of contents/container in accordance with local/regional/national regulations. |
| 1. Composition/Information on Ingredients
 |
| **Mixture****Ingredient Name** | **CAS Number** |    **%** |
| WaterEthylene Glycol | N/A107-21-1 | > 90.5< 5.0 |
| Phenol | 108-95-02 | < 2.7 |
| Formalin | 50-00-0 | < 1.8 |
| 1. First Aid Measures
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| Eye Contact | Rinse cautiously with room temperature water for at least 15 minutes. Remove contact lenses, if present and easy to do. Consult a physician if irritation persists.  |
| Skin Contact | After contact with skin, wash with plenty of soap and water and seek medical advice if needed. |
| Inhalation | Move person to fresh air. Have them rest in a comfortable position and seek medical advice if needed. |
| Ingestion | Call Poison Control. Do NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. |
| 1. Firefighting Measures
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| **Extinguishing Media** |
| Suitable | Water spray, dry chemical, carbon dioxide or appropriate foam. |
| Not Suitable | No data available. |
| Fire-fighting Methods and Protection  | Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. |
| Fire & Explosion Hazards | Fire or excessive heat may produce hazardous decomposition products. |
| 1. Spill or Leak Procedures
 |
| Personal Precautions,Protective equipment andEmergency proceduresEnvironmental Precautions  | Avoid direct eye and skin contact, breathing vapors maybe irritating. Use gloves and eye protection, ventilate area of the spill, wash down with water or absorb with paper towels or granulated clay, then dispose of properly.Follow local state and federal regulations regarding releases. |
| 1. Handling and Storage
 |
| Handling | Wear protective gloves and safety glasses. Avoid direct eye and skin contact. Do not eat, drink or smoke when using this product. |
| Storage | Keep containers closed. Store in a cool, dry, well-ventilated place. |
| 1. Exposure Controls/Personal Protection
 |
| **Ingredient Name** | **ACGIH TLV** | **OSHA PEL** |
| Ethylene Glycol | 100 mg/m3  | 125 mg/m3  |
| Phenol | 5 ppm | 5 ppm - TWA |
| Formalin | 0.37 mg/m3  | 0.75 ppm – 8-hr TWA2 ppm STEL (15 min) |
| Engineering Measures | Room ventilation might be needed to insure operator comfort and to keep levels below exposure limits. |
| Hygiene Measures | Avoid contact with skin, eyes and clothing. Wash hands with soap and water after handling the product. |
| Respiratory | None should be needed if normal room conditions exist. If airborne concentrations are above the applicable exposure limits use NIOSH-approved respiratory protection. |
| Eyes and FaceSkin | Wear safety goggles or glasses while handling this product.Wear gloves and protective clothing. |
| 1. Physical and Chemical Properties
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| Appearance | Clear, colorless liquid |
| OdorOdor threshold | Medicinal, PungentNot Determined |
| pHmelting /Freezing Point (°F)Boiling Point / Range (°F)Flash PointEvaporation rate (butyl acetate = 1)FlammabilityUpper / lower flammabilityVapor Pressure (mm Hg, 20 °C)Vapor Density (air = 1)Relative DensitySolubilityPartition coefficientAuto ignition temperatureDecomposition temperatureViscosit | 6.9Not DeterminedNot determinedNot DeterminedNot determinedNot determinedNot determinedNot determinedNot determinedNot determinedSolubleNot determinedNot determinedNot determinedNot determined |
| 1. Stability and Reactivity
 |
| ReactivityChemical stabilityHazardous ReactionsConditions to Avoid |  Not Reactive Stable None Known None Known |
| Materials to Avoid |  Strong Acids, Strong Oxidizing Agents |
| Decomposition ProductsHazardous Polymerization |  Carbon Monoxide, Carbon Dioxide, other Hydrocarbons Will Not Occur |
| 1. Toxicological Information
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| Eye | May cause eye irritation. |
| Ethylene Glycol | Eyes - rabbit – mild eye irritation – 24 hr |
| Phenol | Eyes – rabbit – no data available |
| Formalin | Eyes - rabbit – eye irritation – 24 hr |
| Dermal | May be harmful if absorbed through skin. |
| Ethylene Glycol | Dermal LD50 – rabbit – 10,626 mg/kg |
| Phenol | Dermal LD50 – no data availableSkin corrosion/irritation: no data available |
| Formalin | Dermal LD50 – rabbit – 270 mg/kgSkin corrosion/irritation: no data available |
| Inhalation | May be harmful if inhaled.  |
| Ethylene Glycol | Inhalation LC50 – no data available |
| Phenol | Inhalation LC50 – no data available |
| Formalin | Inhalation LD50 – rat – 590 ppm – 4 hr |
| Oral | Harmful if swallowed. |
| Ethylene Glycol | Oral LD50 – rat – 4,700 mg/kg |
| Phenol | Oral LD50 – no data available |
| Formalin | Oral LD50 – rat – 800 mg/kg |
| **Potential Chronic Health Effects** |
| Carcinogenicity | No Data Available |
| Mutagenicity | No Data Available |
| Teratogenicity | No Data Available |
| Fertility Effects | No Data Available |
| 1. Ecological Information
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| Eco toxicityBiodegradabilityBioaccumulationMobilityOther adverse effects | Toxicity to fish:LC50 – oncorhynchus mykiss (rainbow trout) – 18,500 mg/l – 96 hr. (Ethylene Glycol)NOEC – pimephales promelas (fathead minnow) – 39,140 mg/l – 96 hr. (Ethylene Glycol)LD50 - oncorhynchus mykiss (rainbow trout) – 8.9-12.3 mg/l – 96 hr. (Phenol)LD50 – pimephales promelas (fathead minnow) – 11.5-50.9 mg/l – 96 hr. (Phenol)LC50 – fish – > 10 mg/l – 96 hr (Formalin)Toxicity to aquatic invertebrates:NOEC – daphnia – 24,000 mg/l – 48 hr. (Ethylene glycol)LC50 – daphnia magna (water flea) – > 41,000 mg/l – 48 hr. (Ethylene Glycol)EC50 – Daphnia magna (water flea) – 10.2-15.19 mg/l - 48 hr (Phenol)Concentration factor – 0.60 (Ethylene Glycol)Phenol – BiodegradableFormalin – BiodegradableConcentration is not expected to occur.No DataNo other adverse effects known. |
| 1. Disposal Considerations
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| Waste Disposal | Dispose of in accordance with all applicable Federal, State and Local Regulations. |
| 1. Transportation
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| The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation. |
| **US DOT 49 CFR 172.101** | **Non-bulk Shipments (Drums/Totes)** | **Bulk Shipments (Tank Trucks/Rail Cars)** |
| Proper Shipping Name | Embalming Fluid | Same |
| Hazard Class | N/A | Same |
| Identification Number | N/A | Same |
| Packing Group | N/A | Same |
| Reportable Quantities | N/A | Same |

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| 1. Regulatory Information
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| SARA Title III Section 313 | This product is known to contain the following chemicals which are listed in 40 CFR372.65 As chemicals requiring notification. This information must be included in allSDS’s that are copied and distributed for this product.**Ethylene Glycol – CAS# 107-21-1****Phenol – CAS# 108-95-02****Formalin – CAS# 50-00-0** |
| TSCA – Toxic Substances Control Act | All components of this product are listed on the TSCA Inventory or are excluded from listing requirements. |
| RCRA – Resource Conservation and Recovery Act | The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA’s four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal. |
| 1. Other Information
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