

MATERIAL SAFETY DATA SHEET

| Section I – Product Information | | | |
|------------------------------------|------------------------------|---------------------|--|
| Product Name or Identity: | CAL-PHO-SOL STERILE SOLUTION | | |
| Manufacturer's Name: | Neogen Corporation | Emergency Phone No. | 859 254 1221 |
| | 944 Nandino Blvd | Fax No.: | 859 255 5532 |
| | Lexington, KY 40511 | e-mail: | inform@neogen.com |
| Date Prepared or Revised: 11/04/04 | | | |

| Section II – Hazardous Ingredients / Identity Information | | | | | |
|--|--|---|-----------------------------------|--|--|
| Hazardous Components (Specific Chemical Identity: Common Names) | OSHA PEL (Permissible Exposure Limits) | ACGIH TLV (Threshold Limit Value) | Toxicity Data LD ₅₀ | | |
| BENZYL ALCOHOL CAS 100-51-6 1.5% v/v | Not established | Not established | Oral-Rat 622 mg/kg | | |
| Non-Hazardous Ingredients: | | | | | |
| CALCIUM | | | | | |
| GLYCEROPHOSPHATE CAS 27214-00-2 50 mg/10 ml | | | | | |
| CALCIUM LACTATE CAS 814-80-2 50 mg/10 ml | | | | | |
| SODIUM CHLORIDE CAS 7647-14-5 9 mg/ml | | | | | |

| Section III – Physical Characteristics | |
|---|--|
| Boiling Point: No data available | Specific Gravity (H ₂ O = 1): 1.003 |
| Vapor Pressure (mm Hg.): No data available | Melting Point: |
| Vapor Density (AIR = 1): No data available | Evaporation Rate (Butyl Acetate = 1): |
| Solubility in Water: Soluble | |
| Appearance and Odor: Clear, colorless, non-viscous liquid, faint odor of benzyl alcohol | |

| Section IV – Fire and Explosion Hazard Data | |
|---|--|
| Flash Point (<i>Method Used</i>): N/A | Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A |
| Extinguishing Media: Water spray, CO ₂ , dry chemical powder, foam | |
| Special Fire Fighting Procedures: Wear NIOSH-approved breathing apparatus | |
| Unusual Fire and Explosion Hazards: Avoid breathing dust or fumes | |

| Section V – Reactivity Data | | | |
|--|----------------|---|---------------------------------|
| Stability | Unstable | | Conditions to Avoid: None known |
| | Stable | X | |
| Incompatibility (<i>Materials to Avoid</i>): None known | | | |
| Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide | | | |
| Hazardous Polymerization | May Occur | | Conditions to Avoid: None known |
| | Will Not Occur | X | |

| Section VI – Health Hazard Data | | | |
|---|---|--------------------|-------------------|
| Route(s) of Entry: | Inhalation-Minor | Skin-Minor | Ingestion-Primary |
| Health Hazards (Acute and Chronic) | Not considered hazardous | | |
| Carcinogenicity: NTP-No (National Toxicology Program) | IARC Monographs-No (International Agency for Research in Cancer) | OSHA Regulated-Yes | |
| Signs and Symptoms of Exposure: None known | | | |
| Medical Conditions Generally Aggravated by Exposure: None known | | | |
| Emergency / First Aid Procedures | Ingestion: Give two glasses of water. Do not induce vomiting. If person feels ill, seek medical attention | | |
| | Inhalation: Remove to fresh air, seek medical attention if irritation develops | | |
| | Eye Contact: Was with copious amounts of water | | |
| | Skin Contact: Wash with soap and water | | |

| Section VII – Precautions for Safe Handling and Use |
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| Accidental Release Measures: Absorb spilled material and dispose of in suitable container. Mop up small spills and rinse to drain with water. |
| Waste Disposal Method: Disposal in dry landfill is acceptable. Ensure compliance with local, state and federal regulations |
| Handling and Storing: Read and follow all label directions |
| Other Precautions: For veterinary use only |

| Section VIII – Control Measures | | |
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| Respiratory Protection (Specify Type): None required | | |
| Ventilation | Local Exhaust: General dilution or local exhaust recommended | Special: |
| | Mechanical (General): | Other: |
| Protective Gloves: Rubber gloves | Eye Protection: Safety goggles or glasses | |
| Other Protective Clothing or Equipment: Eyewash | | |
| Work / Hygienic Practices: Wash with soap and water | | |

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.