

BACHARACH, INC. MSDS

FLAME PHOTOMETER PRIMARY CALIBRATOR
SERUM STANDARD, HIGH LITHIUM

MSDS NO: 4099-1468

ACUTE HEALTH HAZARDS:

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation.

INHALATION: None known.

INGESTION: None known.

CHRONIC HEALTH EFFECTS: None known.

CARCINOGEN STATUS: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

SEE SECTION 11 - TOXICOLOGICAL INFORMATION FOR ADDITIONAL DATA
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SECTION 4: FIRST AID

EYE CONTACT: Immediately flush with water, 15 minutes, lifting the upper and lower lids. Get prompt medical attention.

SKIN CONTACT: Wash thoroughly with soap and water after contact.

INHALATION: None should be needed.

INGESTION: Relatively non-toxic in small amounts. Get immediate medical attention.
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SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None TEST METHOD: N/A
AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Use any media appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: Can react explosively with alkali metals. May cause hydrogen evolution with metallic hydrides.

HAZARDOUS COMBUSTION PRODUCTS: None.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

Wash spill area with water.

SECTION 7: HANDLING AND STORAGE

WORK PRACTICES: Avoid eye and skin contact. Wash thoroughly after contact.

SPECIAL PRECAUTIONS: None

STORAGE: Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special ventilation is required.

RESPIRATORY PROTECTION: None required.

GLOVES: Not necessary.

EYE PROTECTION: Safety goggles recommended.

OTHER PROTECTIVE EQUIPMENT: An available source of running water for eye and skin flushing is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid, no odor. Not applicable.

pH: Unknown SPECIFIC GRAVITY: 1.0
BOILING POINT: Approx. 100C VAPOR PRESSURE: Same as water
MELTING POINT: Approx. 0C VAPOR DENSITY: Same as water
SOLUBILITY IN WATER: Complete PERCENT VOLATILE: >98
COEFFICIENT WATER/OIL: Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY: Materials that react with water, alkali metals, metallic hydrides.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride gas.

HAZARDOUS POLYMERIZATION: Will not occur

N/D=Not Determined

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N/A=Not Applicable

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CONDITIONS TO AVOID: N/A
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SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: The LD50 for sodium chloride is 3000 mg/kg oral rat. The LD50 for lithium chloride is 526 mg/kg oral rat.

IRRITANCY DATA: May cause eye and skin irritation.

SENSITIZATION: This material has not been reported to cause sensitization in humans or animals.

REPRODUCTIVE TOXICITY: This material has not been reported to cause reproductive toxicity in humans or animals.

TERATOGENICITY: Lithium chloride has been reported to cause birth defects in humans when it has been used as a therapeutic agent.

MUTAGENICITY: Sodium chloride and lithium chloride have been found to be mutagenic in some test systems.

SYNERGISTIC EFFECTS: There are no chemicals known to cause any additive adverse health effects.
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SECTION 12: ECOLOGICAL INFORMATION

The ecological effects of this product have not been evaluated.
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SECTION 13: DISPOSAL

Dispose in accordance with all local, state and federal regulations.

RCRA HAZARDOUS WASTE CODES: Not applicable
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SECTION 14: TRANSPORTATION DATA

US DOT SHIPPING NAME: NOT REGULATED
DOT LABELS REQUIRED: N/A
EMERGENCY RESPONSE GUIDE NUMBER: N/A

IATA SHIPPING NAME: NOT REGULATED
IATA LABELS REQUIRED: N/A
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SECTION 15: OTHER REGULATORY INFORMATION

SARA 311/312: Hazard Categories for SARA Section 311/312 Reporting:
Acute health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR 372):
None

CERCLA SECTION 103 REPORTABLE QUANTITY: N/A

CALIFORNIA PROPOSITION 65: This product contains the following substances known to the State of California to cause Cancer and/or Reproductive Harm: None

US TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the EPA TSCA Inventory.

EUROPEAN INVENTORY OF COMMERCIAL CHEMICAL SUBSTANCES: All of the components of this product are listed on the EINECS Inventory.

JAPAN MITI: All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Not a controlled product.

EUROPEAN COMMUNITY LABELING CLASSIFICATION: N/A

EUROPEAN COMMUNITY RISK AND SAFETY PHRASES: N/A

SECTION 16: OTHER INFORMATION

NFPA HAZARD RATING: HEALTH: 0 FIRE: 0 REACTIVITY: 0

DATE OF LATEST MSDS REVISION: 03-12-97
REVISION SUMMARY: Review and update, no changes.

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Bacharach, Inc., it is the users obligation to assure safe use of this product.